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Genome scan for non-additive heterotic trait loci reveals mainly underdominant effects in *Saccharomyces cerevisiae*

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Abstract

The overdominant model of heterosis explains the superior phenotype of hybrids by synergistic allelic interaction within heterozygous loci. To map such genetic variation in yeast, we used a population doubling time dataset of *Saccharomyces cerevisiae* 16x16 diallel and searched for major contributing heterotic trait loci (HTL). Heterosis was observed for the majority of hybrids, as they surpassed their best parent growth rate. However, most of the local heterozygous loci identified by genome scan were surprisingly underdominant, i.e., reduced growth. We speculated that in these loci adverse effects on growth resulted from incompatible allelic interactions. To test this assumption, we eliminated these allelic interactions by creating hybrids with local hemizygosity for the underdominant HTLs, as well as for control random loci. Growth of hybrids was indeed elevated for most hemizygous to HTL genes but not for control genes, hence validating the results of our genome scan. Assessing the consequences of local heterozygosity by reciprocal hemizygosity and allele replacement assays revealed the influence of genetic background on the underdominant effects of HTLs. Overall, this genome-wide study on a multi-parental hybrid population provides a strong argument against single gene overdominance as a major contributor to heterosis, and favors the dominance complementation model.

Keywords Heterosis, *Saccharomyces cerevisiae*, Non-additive inheritance, Genome wide association, Underdominance

Introduction

The genetic basis of heterosis, or hybrid vigor, a phenomenon where the performance of a hybrid surpass those of its inbred parents, is still under debate (Crow 2008; Charlesworth et al. 2009; Birchler et al. 2003). Heterosis is a private case of non-additive inheritance in which the mean trait value of the offspring deviates from the mid-parent or best-parent value, a deviation defined as mid- or best-parent heterosis (MPH and BPH, respectively, (Birchler 2006; Lippman and Zamir 2007)). Under a strict additive model, in which variation of the trait is governed by the sum of additive alleles, the hybrid's phenotypic value would be expected to equal the average value of both parents. However, according to the dominance complementation model (Birchler et al. 2003) accumulation of dominant alleles from both parents should yield an elevated phenotypic value. These whole-genome cumulative effects in diploid hybrids are different from presumed local overdominant effects of single loci described in the overdominant model of heterosis (Lippman and Zamir 2007). According to this model, interactions between two alleles at the same locus (intra-locus) can result in synergistic effects on the trait. The relationship between the phenotypic values of three genotypic classes (two homozygous and one heterozygous) is considered overdominant if there is an advantage to carriers of the two different alleles. However, in several cases where a quantitative trait locus (QTL) seemed to be a single overdominant gene (Stuber et al. 1992), finer mapping with next generation populations refuted this assumption and pointed to linked dominant QTL inherited in repulsion (Graham et al. 1997), i.e. a pseudo-overdominant model of heterosis (Birchler 2006). In contrary to the overdominant mode of inheritance, underdominance refers to cases in which the phenotypic value of the heterozygous group is lower than both homozygous groups, and interaction between alleles is considered negative (Fridman 2015).

Several reports have described the extent and genetic basis of heterosis in the model species *Saccharomyces cerevisiae*. The F₁ inter-strain hybrids were often observed to outperform their parental strains, and exhibited heterosis that was shown to be enhanced under certain environmental conditions (Steinmetz et al. 2002). The overdominant growth observed for hybrids between two strains of yeast (the high-temperature growth minus Htg⁻ S288c, isogenic lines to the lab strain BY4743, and the

Htg⁺ YJM145 strain) under high temperature conditions was genetically linked with three tightly linked quantitative trait genes (Steinmetz et al. 2002). Two wider diallel crossing schemes in this species (Plech et al. 2013; Shapira et al. 2014), demonstrating extensive levels of heterosis, showed that this non-additive inheritance is tightly linked with the environmental conditions. In these studies the dominant genetic variance component (V_D) had a substantial proportion (53% to 75%) out of the total genetic variation (V_G) in all five tested environmental conditions (30°C and 37°C, Ethanol, Galactose and Glycerol media). In addition, distribution of the degree of dominance (d/a), which represents the phenotypic deviation of the hybrid from mid-parent value (Semel et al. 2006), skewed towards dominant values (median of 0.93 and mean of 1.4). The highest proportion of dominant variance was attributed to a high temperature of 37°C (Shapira et al. 2014) and therefore this dataset was used in the current study. Notably, although this previous study did not include association between heterosis and specific genetic variants (as in the current study), it did estimate the genetic distance between hybrids and showed that it is neither correlated with the degree of dominance nor with the tendency to obtain heterosis (Shapira et al. 2014). On the other hand, Plech et al. (2013) found that heterosis positively correlates with sequence divergence, but only for the domesticated strains in the diallel. These findings demonstrate the complexity of cumulative heterozygosity effects on heterosis and highlight the need for genetic analysis of specific loci that are associated with heterosis.

In this study, we performed a genome scan to specifically identify local heterozygosity associated with non-additive inheritance of yeast population doubling time (PDT) under heat. We used a recently developed heterotic trait loci (HTL) mapping approach (Ben-Israel et al. 2012) with the following modifications: 1) haplotyping of parental and hybrid lines, as compared to single marker analysis, and 2) filtering out loci with strictly dominant effects (significant difference between the phenotype of homozygous groups), to increase the likelihood of finding HTL with true synergistic allelic interactions. We report the surprising high prevalence of underdominant loci, and validate their causality by comparing them to a set of arbitrary genes in hemizygous assays. Examining the consequences of eliminating these local interactions in the reciprocal hemizygous genotypes demonstrated the dependency of these interactions on

the whole-genome genetic background. Similar genetic-background dependency was also confirmed for the MIC60 HTL locus by allele replacement assays. Moreover, these assays confirmed beneficial effects of local homozygosity in the whole-genome hybrid background.

Materials and methods

Yeast strains and media

All 16 yeast strains, each encoded with a YDF number, originated from natural isolates of *Saccharomyces cerevisiae* (Liti, Carter, et al. 2009), which were manipulated at their HO locus to enable stable mating and simple crossing (Shapira et al. 2014). Additional strains included in this study were: BY4741 (*MATa*, *his3Δ1*, *leu2Δ0*, *lys2Δ0*, *ura3Δ0*), BY4742 (*MATa*, *his3Δ1*, *leu2Δ0*, *lys2Δ0*, *ura3Δ0*), BY4743 (*MATa/α*, *his3Δ1*, *leu2Δ0*, *lys2Δ0*, *ura3Δ0*), and deletion knock-out (KO) strains in the BY4741 background (*Saccharomyces* Genome Deletion Project http://www-sequence.stanford.edu/group/yeast_deletion_project/downloads.html#strainsavail). In addition, knock-out of 5 loci was achieved in the YDF7 (SK1, Shapira et al. 2014; Table S2) background, using a standard pop-in procedure. All strains were grown in standard YPD medium (1% yeast extract, 2% peptone, 2% dextrose and 2% agar for solid media). Hygromycin B and Geneticin G418 (Sigma-Aldrich, St. Louis, US) were added to autoclaved media at a concentration of 300μg/ml and 200μg/ml, respectively. For selection of uracil auxotrophs, yeasts were grown in Synthetic Complete (SC) medium (0.67% yeast nitrogen base without amino acids and with ammonium sulfate (Sigma-Aldrich), 2% D-Glucose (Sigma-Aldrich), 0.2% complete drop-out mix amino acids and nucleotides (Sigma-Aldrich)) with 1mg/ml 5-fluoroorotic acid (5-FOA; Gold Biotechnology, USA; Boeke *et al.*, 1987).

Sporulation and dissection of diploids

To obtain haploids, diploid cells were grown overnight in patches on YPD plates and scraped into sporulation solution (0.75% potassium acetate) before being incubated for 3-4 days. A 15-μl aliquot of the sporulation culture was incubated with 10 μl zymolyase (2 mg/ml) for 15 min, at 30 °C, to digest the ascus wall. Treated tetrads were dissected, on

YPD plates, to individual haploid spores using a Tetrad Dissection Microscope (Micro Video Instruments, Inc., MA, USA).

Growth analysis

Yeast strains were grown to the stationary phase, in 0.5 ml YPD medium placed in 2 mL 96-well plates, at 30°C for 48 hours, under shaking conditions (100 rpm). Two biological and four technical repeats of each diploid strain were diluted twice to a final dilution of 1:4000 in 100 µl liquid YPD medium, and grown in a 96-well plate (Nuncclone, round bottom). Optical density (OD) was measured in a 96-well microplate reader, with i-control 1.4 software (Infinity F200, Tecan Nordic AB, Mölndal, Sweden). The temperature of the reader was set to 37°C, with lower and upper limits of 36.5°C and 37.5°C, respectively. The program included incubation for 30 min with orbital shaking, at an amplitude of 1.5 mm, followed by 150-170 kinetic cycles of 5.5 min shaking and OD measurements at 595 nm. Each well was measured at nine different points (square of 3x3 with density 2500), with 3 flashes per reading. Four technical repeats of the YJM978 strain (McCusker et al. 1994) at fixed locations served as a common control for all plates. Each plate was read twice.

Calculation of population doubling time (PDT)

The PDT of the diallel cultures in each well was extrapolated by extracting the OD⁵⁹⁵ values in the logarithmic growth phase (0.15 - 0.5 OD⁵⁹⁵) and calculating the doubling time using the formula: $PDT(hr) = [\log_2 X \text{ number of cycles} X 463\text{sec} / (\log(\text{second OD}^{595}) - \log(\text{first OD}^{595}))] / 3600$, where 463 sec = the length of the measurement cycle. Analysis of the hemizygous experiments made use of a higher-resolution estimate that dissected the logarithmic phase to different intervals and calculated the mean PDT. The OD⁵⁹⁵ values of each sample were loaded into MATLAB (R2011b, Massachusetts: The MathWorks Inc., 2011) and manipulated in the following way: (i) the plate blanking value (average OD⁵⁹⁵ of the wells containing medium only) was subtracted from each OD⁵⁹⁵ measurement of that plate; (ii) noise reduction was achieved using a smoothing algorithm, which used a sliding window of three time points and replaced each read with the average of the actual read and its two adjacent reads; (iii) OD⁵⁹⁵ errors, arising from

occasional bubbles or cell aggregates, were avoided by removing all negative slopes, i.e., for a pair of consecutive diminishing rather than increasing OD^{595} values, the first was selected (Warringer and Blomberg 2003). Smoothed growth curves were LN transformed. After validating that the first 30 measurements in all growth curves were in the lag phase, they were removed and slopes between every 3 measurements along the curve were calculated. The top 3 of the 10 highest slopes were discarded to assure uniformity of the values, low variation of probability values and repetitive clustering. The mean slope was calculated from the remaining seven slopes. PDT was calculated as $\text{Log}(2)$ divided by the mean.

To overcome position bias related to micro-cultivation in 96 well plate, and differences between plates, two actions were performed: 1) the technical repeats of each genotype were randomly distributed across the plate and their phenotype was averaged to a single value; 2) the average PDT of a reference strain (YJM978) grown in 5 different wells in all plates, was calculated to normalize all strains grown in that same plate. Normalized PDT values were transformed (Log_2PDT) prior to statistical analyses.

Population genetics analysis for computing global ancestry

The global genomic ancestry for each strain was estimated using the STRUCTURE (version 2.3.1) software (Pritchard et al. 2000) with a set of 128 random alleles evenly spread across the 16 chromosomes. Cluster likelihood was calculated based on five independent runs for a variable number of clusters, from $K = 2$ to $K = 10$ (length of burning period: 20,000 and number of MCMC repeats: 20000). $K=6$ was selected due to maximal likelihood ($\text{LnP}(D)$) with minimal standard deviation between the five independent runs (Table S2A). This K value was also consistent with previous studies (Liti, Carter, et al. 2009). Each parental line was assigned to one of the 6 groups by enforcing clustering to $K=6$ (Fig. S2) and hybrids were assigned to a combination of its parents groups.

Consideration of the founder lines' genomic structure in the genome changed the list of the overdominant and underdominant genes. Figure S3A illustrates the analysis of a genomic interval that resides within the *YGR080W* locus. Comparison of the ODH values distribution between the different genotypes in this locus show that, with no

correction to population structure (left), ODH values of the heterozygous (green line) are significantly different and lower from both homozygotes (blue and red lines; KS test, $P < 0.05$). Such segregation between the groups would imply that this allelic combination reduces PDT or increases growth, and therefore would be considered overdominant. In contrast, similar analysis performed with ODH values normalized according to genetic clustering of parents (Fig. S3B) showed no significant difference between homozygotes and heterozygotes. Similarly, the underdominant *YAR031W* locus appeared to be significant only with consideration of genomic background (Fig. S3C and S3D). Eventually, since population stratification among the founder lines has a major impact on the genetic association, ODH values for each hybrid were normalized according to the combination of its parents (see below, HTL mapping).

Genome-wide alignment and hybrid genotyping

Since the inter-genic sequence quality was low for some genomic intervals, as identified by our own Sanger sequencing and previous reports (Engle and Fay 2013), only SNPs residing at the genic parts were considered for the genome scan. Sequence and annotation information was downloaded from the *Saccharomyces* Genome Database (<http://www.yeastgenome.org/>). In order to avoid false genotyping, a SNP reading was considered reliable only if the rare nucleotide was observed in more than one strain (minimal allele frequency > 0.125). The corresponding sequence in each strain (out of the 16 strains) was retrieved by BLAST to the S288 reference genome. If multiple open reading frames (ORFs) in a single chromosome of a single strain were similar (E-value < 0.01) to the S288c ORF, the one with the lowest E-value was chosen. All corresponding genes were aligned by performing progressive multiple alignments, in which pair-wise distances between sequences were computed with the Gonnet scoring matrix and then by counting the proportion of sites at which each pair of sequences were different (ignoring gaps). The guide tree was calculated by neighbor-joining, assuming equal variance and independence of evolutionary distance estimates. SNPs were then detected as nucleotides different from those in S288C at the same location.

To build the genotypic haplotype data set used for the genome scan, we followed a “2x3 rule”, i.e., a variable sliding window approach defined to include two alleles, each

represented by at least three parents (Fig. 1). We started with the 3 SNPs flanking the gene from the 5' end. A minimum of 3 and maximum of 10 SNPs per haplotype were set as the limits for extending the window until the two haplotypes were defined (Fig. 1A). The next sliding window started at the next 3 SNPs of the gene (without an overlap between windows) until the last 3-10 SNPs flanking the gene from its 3' end were included before moving to the next gene. The haplotypes map for all *S. cerevisiae* genes was then utilized to determine the specific homozygosity or heterozygosity for each hybrid, based on projection from the two haploid parents (Fig. 1B).

Genome-wide association between specific heterozygosity and non-additive mode of inheritance

The heterotic phenotype for doubling time was calculated for each hybrid, as previously described (Ben-Israel et al. 2012); Overdominant heterosis (ODH) value were set to represent the degree of phenotypic deviation from the best or worst parent. Hybrids with a phenotypic PDT value between that of both parental lines received an ODH value of zero in order to omit cases of additive inheritance. Hybrids with lower or higher PDT compared to the best or worst parental line, were assigned negative and positive ODH values, respectively. Since growth phenotype is depicted as PDT, the sign of ODH values for this trait is opposite to that of the growth rate, i.e. hybrids that surpass the growth of the best parent (lower PDT) receive a negative ODH value.

Association between ODH values and heterozygosity loci was assigned Over or Under dominant to describe loci with positive or negative effects on growth, respectively. To correct for population structure among parental genotypes, the combination of parental line clustering was considered a co-factor in the statistical model. The generalized linear model (GLM) was $Y_{ij} = \mu + \alpha_i + \beta_k + e_{ij}$, where μ is the mean ODH of the diallel population, α_i is the effect of the genotypic group (including all homozygous and heterozygous combinations), β_k is the effect of the clustering assignment of the hybrid and e_{ij} is the random error. For the Kruskal-Wallis test, the ODH values of the hybrids were adjusted to consider the effect of the clustering assignment of the parental strains. For this first genome scan, a non-distribution-dependent, experiment-wise error level of $\alpha = 0.05$ was computed based on 1000 permutations. The set of loci with a significant

association to the ODH variation in the diallel (the first full genome scan) was further filtered to include only those loci in which (1) the specific heterozygous group was different from each of the two corresponding homozygous groups (for each of the two alleles), and (2) the hybrids belonging to the two homozygous groups were not significantly different between themselves (Kolmogorov-Smirnov (KS) test; $\alpha=0.05$). This test increases the likelihood of identifying a local allelic interaction as the cause for the heterotic phenotype of hybrids.

Hemizygous analysis

Single colonies of the KO strains in the BY4741 (MATa) background were retrieved from the library and crossed with one of four independent YDF7 strains (MAT α , HO::HygMX; (Shapira et al. 2014)) or with BY4742. Each cross was represented by two technical repeats and the comparison to control was based on mean values of 7-8 cultures (Table S3). Integrity of the diploid strains was validated by PCR using MAT locus primers (Table S4). Population doubling time calculations were performed as described above. The mean PDT values of the hemizygous strains were analyzed using the JMP software (SAS Institute, Cary, NC) with the function 'Compare to Control' (Dunnett's test, $\alpha=0.05$), after assuring that PDT values were normally distributed: the hemizygous hybrid strains were compared to the control BYxYDF7 and the hemizygous in the BY background was compared to the homozygous BY4743. Comparison of the PDT distribution between the underdominant loci vs those for the random loci was performed using a Wilcoxon test ($\alpha=0.05$). In addition, hemizygous strains were categorized into three classes prior to 2x3 Fisher's exact test between these two groups: longer PDT ("slow"), not significantly different from control BYxYDF7 ("neutral") and shorter PDT ("fast") ($P<0.05$; Table S3).

The five hemizygous strains in the YDF7 genetic background included four independent events of transformation, two in each mating types (i.e., 4 biological repeats). All biological repeats were grown in four technical repeats and compared to the control BYxYDF7 hybrid, as described above.

Allele replacement assays

Homologous replacement of the *11_1535* alleles was conducted in the haploid BY4741 strain; the original allele was initially replaced with the CORE-I-*SceI* cassettes (pop-in), followed by introduction of the relevant YDF7 allele (pop-out), according to the *delitto perfetto* procedure (Stuckey et al. 2011). Correct integration of the CORE-I-*SceI* cassette was confirmed by PCR, using primers YP421 with YP125 and YP422 with YP126 (Table S4). The YDF7 allele was amplified with primers YP421 and YP422 and introduced to the BY4741-11_1535^{CORE} genotype by standard homologous recombination.

Transformation was performed as described for the CORE-I-*SceI* cassette. Positive colonies, i.e., growing only on 5-Fluoroorotic acid (5-FOA) plates and not on YPD containing G418 or SD-ura, were verified for integration by Sanger sequencing of PCR amplicons using the same primers used for amplification of the alleles. Two independent transformants were included in each cross as biological replicates to generate local homozygous and local heterozygous in a whole-genome hybrid or on an inbred background.

The BY strain with the replaced allele were crossed with BY4742. Diploids strains were sporulated and dissected to isolate the BY4742-11_1535⁷ (the appropriate allele was validated by Sanger sequencing) and crossed with BY4741-11_1535⁷, to yield local homozygotes on the BYxBY background. Additionally, BY4741-11_1535⁷ was crossed with YDF7 and YDF27. Integrity of the single diploid colonies was validated by PCR, using MAT locus primers.

PDT calculation was applied as described above (with four biological and four technical repeats for each genotype) and mean values were compared by a Student's t test using the JMP software (SAS Institute, Cary, NC), with $\alpha=0.05$. The 'Fit Model' function was used to compare between local heterozygosity and local homozygosity on the BYxBY background and to estimate the dominance level. The dominance deviation (d) and its significance were calculated by contrasting the local heterozygous BY-11_1535^{BY}xBY-11_1535^{BY} (+1) with local homozygotes BY-11_1535⁷x BY-11_1535⁷ (-0.5) and BY-11_1535^{BY}x BY-11_1535^{BY} (-0.5).

Results

Heterosis phenotype among *Saccharomyces cerevisiae* hybrids

To study the contribution of specific local heterozygosity to heterosis in yeast, a unique genomic approach was used to analyze a dataset collected from a diallel yeast experiment of inbred and hybrids grown under 37°C (Shapira et al. 2014). Yeast population doubling time (PDT) was measured as a proxy for population growth and an Over Dominant Heterosis variable (ODH; previously defined by (Ben-Israel et al. 2012)) was calculated to reflect the degree of phenotypic deviation from the best or worst parent. To allow genetic association between specific heterozygosity and non-additive variation, hybrids with a phenotypic PDT value between that of both parental lines received an ODH value of zero.

Distribution of ODH values among 120 trios of two inbred lines and their hybrids, highlight the prevalence of non-additive inheritance; A majority of 61.7% hybrids exhibited positive heterosis phenotype as they surpassed the best parent growth rates (ODH<0; negative values reflect higher growth and lower PDT ; Fig. S1). Only 33.3% of hybrids demonstrated additive inheritance with PDT values that fell between those of homozygous parents (ODH=0) and a minority of 5% of hybrids demonstrated growth rates below that of the worst parent (ODH>0; positive values reflect lower growth and higher PDT). These proportions are in line with a previous report (Shapira et al. 2014) that assessed the degree of dominance based on a more conservative calculation (d/a;(Semel et al. 2006)). Overall, these results show that the non-continuous statistics ODH, i.e. two continuous ranges for positive and negative values and one category of zero values, reflect the conservative d/a with regard to the proportions of overdominant genotypes. At the same time, it emphasizes the more extreme non-additive variation to allow genetic association between local heterozygosity and non-additive inheritance.

Heterozygosity associated with a non-additive mode of inheritance is mostly underdominant

The genome scan was set to test the association between specific heterozygous loci and the ODH values found among all 120 trios. Haplotyping of hybrids was performed with variable sliding windows (minimum 3 SNPs per window, without overlap between windows). Each haplotype captured genomic intervals in which there was a minimal representation of three parents for at least one of the two or more alleles at each locus (a “2x3 rule”; Fig. 1A). In cases where only two alleles were involved, a mean ODH value was obtained from at least three independent hybrids for each of the three tested genotypes of a locus (two homozygous and one heterozygous groups; see Methods).

Scanning the genic part of the *S. cerevisiae* genome yielded 38,396 windows for analysis across all 6686 known genes. The median length of windows was 70 bp, with a median width of 3 SNPs per haplotype (Table S1), indicating the low extent of linkage disequilibrium (corollary of high recombination rate), with relatively short stretches of shared haplotypes among the genomes used in this study. Significant association with ODH variation was found for 591 windows positioned in 390 genes encompassing one or more intervals (Table S3). The resulting associated loci included local heterozygosity associated with increased or decreased growth rates and were therefore defined as overdominant or underdominant HTL, respectively. The most surprising finding was the higher prevalence of underdominant compared to overdominant loci - out of 591 tested loci, 574 HTLs (97.1%) were identified as underdominant, while only 17 HTLs (2.9%) were found to be overdominant.

We were interested in further characterizing the consequences of heterozygosity on non-additive inheritance. We focused our analysis on loci in which the effect of heterozygosity on phenotype is putatively caused by true interaction between two alleles, rather by a dominant allele. To do so, we filtered out some of the significantly associated loci in which homozygotes for one allele had a significant different ODH value from homozygotes to the other allele (implying that one allele is more dominant). The final list of candidate causal loci was reduced to 402 non-additive HTLs. Again, heterozygosity was mostly associated with underdominance; 386 HTLs (96%) were associated with high

ODH, compared with only 16 HTLs (4%) that were associated with overdominance and low ODH values (Table S3).

Hemizygosity assays for underdominant HTLs indicate incompatible allelic interactions in hybrids

Underdominant HTLs, which were the most prevalent loci found in this study, may contribute to reduced growth due to incompatible allelic interactions at each of these heterozygous sites. To explore this hypothesis, we compared between local heterozygosity (which was associated with reduced growth; Table S3) and local hemizygosity, that might increase growth due to a rather homogenous single gene product. The comparison was made in the BYxYDF7 hybrid background, which is one of the diallel hybrids. This hybrid was chosen because of its heterotic phenotype and most importantly, one of its parental genotype (BY, also named YDF37; (Shapira et al. 2014)) is identical to the haploid strain BY4741, for which a knock-out (KO) collection library is available (Giaever et al. 2002).

A list of genes (Table S3) was tested for the consequence of deleting the BY allele in this whole-genome hybrid background. These genes were available in the BY4741 KO library and were found to include heterozygosity involving significant underdominant allelic interactions between the BY and YDF7 alleles in the diallel analysis. Out of the 41 genes that were tested, the majority of hemizygotes ($N=37$; 90.2%) that carry only the YDF7 allele in these loci ($i=1..41$ loci; $BY^{\Delta i} \times YDF7^{7i}$), showed a trend of haploproficient effect, i.e. higher growth in comparison to the control hybrid (BYxYDF7). Under a stringent statistical test, only 7 hemizygotes (17.1%) showed significantly higher growth rates (shorter PDT-Fig. 2A; Dunnet test, $P<0.05$). Since eliminating allelic interactions in hemizygotes elevates growth, these results indicate that incompatible allelic interactions at such heterozygous loci are linked with the underdominant effects.

Phenotypic effects of hemizyosity for underdominant HTLs is significantly different from those of arbitrary genes

To further validate our findings, we compared the growth rates between a group of 41 hybrids generated with hemizyosity to underdominant HTLs and a group of 79 hybrids with hemizyosity to arbitrary genes. Hemizygote hybrids were generated in the BYxYDF7 background by crossing a BY4741 haploid KO strain for each of the tested genes (Giaever et al. 2002) with the YDF7 haploid strain (also named SK1; (Shapira et al. 2014)). Random hemizygous hybrids ($z=1..79$ loci; $BY^{\Delta z}xYDF7^{7z}$) were generated by selecting arbitrary KO strains from the BY4741 collection. The phenotype of hemizygotes was categorized as fast, neutral, or slow based on their relative growth, as compared to the control BYxYDF7 hybrid (see Methods). Significant differences between the underdominant HTL group and the control group of randomly selected genes were observed; the proportions between the number of strains belonging to fast, neutral, and slow groups were significantly different between HTL and random control groups (2x3 Fisher's Exact Test; Two sided $Prob \leq 0.0026$). In the random group, only one hemizygote out of 79 (1.3%) grew significantly faster than the control BYxYDF7. Moreover, 8 hemizygotes had significantly lower growth rates (higher PDT, Table S3C). Comparison of the PDT distribution between the hemizygote for the underdominant HTL vs random genes, showed a significant difference, with PDT median values of 0.901 and 0.943, respectively (Wilcoxon test, $Prob > \chi^2 < 0.001$), as compared to median value of 0.929 for the replicates of the BYxYDF7 hybrid (Fig. 2B). Eliminating allelic interactions in arbitrary genes did not exert the same positive effect on growth showed for the HTL group. Therefore these findings support our hypothesis that incompatible allelic interaction underline underdominant HTLs.

Hemizygous assays of HTLs in an inbred background control for haploinsufficient effects

Hemizyosity with only YDF7 allele remaining was associated with haploproficiency, as manifested by faster growth rates in most hemizygote hybrids when compared to heterozygote hybrids carrying both YDF7 and BY alleles. Based on this observation, we assume that it is unlikely that hemizyosity for YDF7 alleles could be associated with

haploinsufficiency, although we did not compare these hybrids to local homozygote controls. On the other hand, to rule out the possibility of haploinsufficient effects for BY alleles belonging to the 41 underdominant HTLs, the KO haploid strains for each gene were crossed with an isogenic BY strain (BY4742, *MATa*) to create hemizygous strains in the BYxBY background ($i=1..41$ loci; $BY^{BY_i} \times BY^{\Delta_i}$). These 41 hemizygous strains were compared to the isogenic homozygote diploid (BYxBY or BY4743, *MATa/a*). Dosage of the BY alleles did not affect the growth phenotype; most genes ($N=39$, 95%) had no noticeable change in growth between hemizygous and homozygous hybrids (Table S4B). Only two genes showed a haploproficient effect with significantly faster growth of hemizygotes. These genes were also found to be haploproficient while carrying only the YDF7 allele in the BYxYDF7 hybrid (Fig. 2A, green bars), suggesting that at least for these two genes, allelic interaction and dosage have intertwining effects on growth.

Reciprocal hemizygosity assays show differential allelic effects on hybrid growth

We uncovered incompatible allelic interactions at underdominant HTLs by testing local hemizygotes carrying only YDF7 alleles at these loci. To further examine the allelic interactions, we tested whether the reciprocal local hemizygotes with only BY alleles also have a positive effect on hybrid growth rates. For this analysis, five loci with the highest haploproficient effects for YDF7 alleles (Fig. 2A) and no haploinsufficiency effects for the BY alleles (Table S4B) were selected. KO strains for each loci were then generated in the background of the reciprocal parent YDF7 and crossed with the BY strain. These local hemizygotes ($x=1..5$ loci; $BY^{BY_x} \times YDF7^{\Delta_x}$) were later compared with the control hybrid BYxYDF7 to assess the differences in growth rates. Unlike the significant positive effects on growth that were observed for the hemizygous hybrids derived from crossing the BY KO to YDF7, the reciprocal hemizygotes carrying the BY alleles did not show significant change in growth as compared to the control hybrid BYxYDF7 (Fig. 2C).

These results show differential effects on growth between hemizygotes that carried either BY or YDF7 alleles; BY alleles show reduced effect on growth compared to the YDF7 alleles in these loci, implicating a functional difference between alleles.

Additionally, BY alleles seemed to exert adverse effects when interacting with YDF7 alleles, suggesting a dominant negative mode of interaction.

Local heterozygosity at the underdominant *11_1535* locus within the MIC60 gene affects hybrid growth in a genetic background-dependent manner

To further analyze the causal effects of heterozygosity at one of the underdominant loci on chromosome 11 (*11_1535*; Table S3), an allele replacement assay (Storici and Resnick 2006) was conducted by introducing the allele shared by several of the parental strains (including YDF7 and YDF27, therefore named *11_1535*⁷) to the BY4741 background. The latter strain originally harbored the other interacting allele (*11_1535*^{BY}; see Methods). The nearly isogenic BY-*11_1535*^{BY} and BY-*11_1535*⁷ haploid strains were crossed with either YDF7 or YDF27, both belonging to the same genomic cluster (Table S2), yielding two pairs of nearly isogenic lines for the *11_1535* locus in a whole-genome hybrid background (Fig. 3). In addition, these two lines were crossed with BY to generate nearly isogenic genotypes in a homozygous genomic BY background to test introgression effects (Eshed and Zamir 1996).

Comparing between the growth of the local heterozygote and homozygote in the BYxYDF7 background (local genotypes *11_1535*^{BY/7} and *11_1535*^{BY/BY}, respectively) showed a slightly, yet non-significant, positive effect on growth correlated with local heterozygosity (increase in Log PDT of 0.03; Fig. 3A). Moreover, in the BYxYDF27 hybrid background, identical local homozygosity was associated with a significant positive effect on growth as compared to local heterozygosity, with an increase of the LogPDT by 0.23 ($P < 0.01$), and doubled growth rate (Fig. 3B). Similarly, in the BYxBY homozygous background, the local heterozygous genotype (BY-*11_1535*^{BY/7}) showed a significant reduction of growth rate, compared to the two isogenic homozygous genotypes (BY-*11_1535*^{BY/BY} and BY-*11_1535*^{7/7}). Since these nearly isogenic genotypes resemble introgression lines used extensively in plant genetics to study heterosis (Lippman and Zamir 2007), the level and significance of underdominance was calculated as previously described (Eshed and Zamir 1996). The high and significant dominance to additive ratio ($d/a = 2.41$; $P = 0.018$; see Methods) indicated a true underdominant mode of inheritance for these two alleles in this locus (Fig. 3C).

Discussion

The phenomenon of hybrid vigor can be partly explained by synergistic allelic interactions at heterozygous loci, as described by the overdominance model (Lippman and Zamir 2007). The purpose of this study was to explore the possible contribution of such interactions to heterosis in yeast. To this end, a recently developed QTL mapping methodology (Ben-Israel et al. 2012) was used to uncover these loci in a dataset of *S. cerevisiae* hybrids, generated by diallel inbred crossings (Liti, Carter, et al. 2009; Shapira et al. 2014). This method identifies local heterozygosity with significant contribution to the non-additive inheritance of quantitative traits found between inbreds and their hybrids.

The phenotypic variation among hybrids showed a strong tendency towards positive heterosis (Fig. S1), however, the majority of causal HTLs were associated with reduced hybrid growth, i.e., underdominance (Table S3). These HTLs in fact indicated specific incompatible allelic interactions that were validated with hemizyosity assays. The unexpected low prevalence of observed overdominant HTLs implies that overdominant loci are not the major contributing factor to heterosis in yeast grown under high temperature. A previous study on heterosis under high temperature conditions in yeast (Steinmetz et al. 2002), unraveled both cis and trans linkages between three tightly linked quantitative trait genes. If this local arrangement is characteristic of other loci affecting this trait, then the dominance heterosis model (Birchler et al. 2003), i.e., accumulation of increasing alleles originating from both parents and inherited in repulsion one to another, may more accurately explain heterosis in this model species. These loci with dominant or additive effects were mostly excluded from our analysis since we were focused on the more extreme non-additive phenotypes (by giving ODH values of zero to hybrids with growth value between parents). Nevertheless, we conclude that superior growth of yeast hybrids is more likely explained by complementation of these alleles following the dominance model of heterosis.

Heterozygosity at underdominant loci was associated with reduced hybrid growth (Table S3). To test if these adverse effects were caused by incompatible intra-locus interactions between two functional alleles, we created hybrids with local hemizyosity

for underdominant HTLs. By leaving a single functional allele in hemizygotes, thereby eliminating allelic interaction, we were able to show that hybrid growth is indeed elevated for most of the underdominant genes (Fig. 2A; Table S4A). Moreover, this observation was unique to the underdominant HTLs group and was not observed in the control group of randomly selected genes (Fig. 2B; Table S4C), hence validating the results of our genome scan.

Our results indicate that the difference in the overall growth response to local hemizyosity between the HTL and random groups (Fig. 2B) results from elimination of deleterious allelic interactions in the former. One alternative explanation is that these loci are having dosage-dependent effects on growth and carriers of one copy outperform those carrying both copies of the gene. Effects of hemizyosity on cellular growth have been reported in diverse species and are often associated with loss of regulatory mechanism. In yeast, de Clare *et al.* (2013) identified haploproficient genes by screening the KO collection (Giaever *et al.* 2002), and suggested that the majority of these yeast genes are the orthologs of mammalian cancer genes. No such significant enrichment of particular functional classes among the underdominant genes was identified in our study. In addition, the experiments in our study showed that overall growth of hemizygous for these HTL in the BYxBY background was similar to those carrying both alleles (Table S4B), therefore eliminating the possibility of haploproficiency effects in these loci.

Incompatible intra-locus allelic interactions can be explained at the protein level. Oligomerization between proteins derived from two different alleles can be inadequate. Analysis of protein-to-protein interactions in several species has shown the more prevalent formation of homo-dimer rather than hetero-dimer oligomerizations (Ispolatov *et al.* 2005). Additionally, the further the paralog genes diverge in their amino acid sequences, the smaller the probability that their proteins will oligomerize with each other (Ispolatov *et al.* 2005) and form protein complexes (Piatkowska *et al.* 2013). Therefore, heterozygosity may interfere with, rather than positively contribute, to the functionality of protein complexes. For example, Liti *et al.* (2009) showed that sequence divergence within the Ku heterodimer generates negative epistasis within one of the allelic combinations (American-*YKU70* and European-*YKU80*), resulting in very short telomeres and reduced fitness.

The previous study of this diallel population reported extensive levels of heterosis and showed that non-additive inheritance is tightly linked with environmental conditions, with most abundant heterosis found under 37°C (Shapira et al. 2014). We therefore continued to analyze this dataset in our current investigation. Interestingly, our reciprocal hemizygosity assays uncovered a functional allelic difference at underdominant loci. Alleles originated from the BY background showed reduced effects on hybrid growth compared to alleles from the YDF7 genetic background. Additionally, alleles belonging to the BY background seemed to exert adverse effects when interacting with YDF7 alleles, suggesting a dominant negative mode of interaction. These effects were observed for all five underdominant HTLs that were tested (Fig. 2C vs. 2A). The hybrids' genetic background was identical in all of the reciprocal experiments and therefore, the allelic interactions should reflect intra-locus interactions only. However, the differential contribution between functional alleles derived from either genetic background (BY or YDF7) may indicate inter-locus (epistatic) background effects. These observations are not surprising since the BY lab strain (diploid BY4743) is an isogenic line to the high-temperature growth minus (Htg-) S288c strain (McCusker et al. 1994). We assume that this genetic background has an overall negative effect on growth at high temperatures, where the underdominant HTLs may be particularly related to genes that confer heat sensitivity. We found that only 5 out of the 41 underdominant HTLs have phenotypic information on heat sensitivity based on KO line for the gene. Nevertheless in all of these cases the KO was indeed associated with increased heat sensitivity (Table S4A). Another source of difference between alleles from both backgrounds might be the length of the knock-out deletion; The BY null alleles originated from a yeast library (Giaever et al. 2002) and the YDF7 knock-outs were generated in our lab by targeting a smaller portion of each gene based on the genome scan (Table S3). However, this difference is probably not meaningful, since all alleles were functionally disturbed with the KanMX cassette in both backgrounds (see Methods). Genetic background effects were also established for the MIC60 gene, one of the HTL found in the genome scan. This site had true underdominant mode of inheritance (Fig. 3C) and the positive effects of local heterozygosity had different intensity in two whole genome hybrid background (Fig. 3A vs. 3B). The unique complexity of different genetic backgrounds apparently interacts with local heterozygosity effects. These genetic background effects and

the surprising prevalence of deleterious heterozygosity found in this study, may explain why sequence divergence, which increases heterozygosity in first generation hybrids, is not always predictive of positive heterosis in this species (Plech et al. 2013; Shapira et al. 2014).

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Figure Legends

Figure 1. Illustration of the genome scan in the yeast diallel (heterotic trait loci (HTL) mapping) (A) Determination of the haplotypes in 16 *S. cerevisiae* parents (founder lines; FL) for the 120 hybrids following the “2x3 rule”, i.e., the variable sliding window starts with a minimum of 3 SNPs and expands until two alleles, each represented by at least three original parental homozygous lines, are identified. Red vertical lines depict SNPs and the green squares represent analyzed variable sliding windows. (B) Allele distribution in Locus A. Each color represents a different allele. Hybrid genotype and heterosis phenotype is achieved by projecting homozygous genotype of FL on diploid hybrids and (C) by comparing their mean population doubling time (PDT) to that of both inbred diploid parents. The statistical analysis involved two steps: (D) Genomic scan for loci associated with ODH values. Bars denote mean values for illustration however, the actual comparison between genotypic groups was conducted for the distributions of ODH values using a non-parametric test. (E) Positive loci are tested for association of intra-locus (allelic) interaction with heterosis, i.e., a significant difference in ODH distributions between ‘hetero’ and two ‘homo’ groups. Loci that passed these criteria (marked with *) are considered candidate HTL. Since growth phenotype is depicted as PDT, the sign of the ODH value for this trait is opposite to that of the growth rate. Heterozygotes for Locus A (left pane) have higher ODH values compared to homozygotes and therefore this locus represents an underdominant HTL with negative effects on heterosis. Locus B (right pane) represents the opposite case of overdominant HTL. NS, Non-significant difference between medians and distributions.

Figure 2. Hemizyosity test of local heterozygosity associated with non-additive inheritance in the diallel for population doubling time (PDT). (A) Mean LogPDT values of the control hybrid BYxYDF7 (orange) and hemizygotes KOnxYDF7 (KO for gene ‘n’ in the BY background; blue), for genes associated with underdominance. Hemizygotes that showed significantly increased growth (shorter PDT) compared to the control hybrid (Dunnett’s test, $P < 0.05$) are indicated by green bars. Those that did not show a similar effect in the homozygous background (haploproficiency) are marked with a star. (B) Cumulative distribution function (CDF) plot for the mean LogPDT values of

the control hybrid (BY x YDF7; red), 41 hemizygous strains for the underdominant genes (KOn x YDF7; green), and hemizygous strains for 79 random genes (Rand KOn x YDF7; blue). (C) LogPDT values of the reciprocal hemizygotes with the YDF7 allele deleted (BYx7 Δ n). Horizontal line and diamonds represent the mean and 95% confidence intervals for PDT variation of each genotype. PDT was not significantly different from the control hybrid for any of these five genotypes.

Figure 3. Local heterozygosity at the 11_1535 locus in MIC60 is underdominant and genetic-background-dependent. Allele replacement experiments testing the effects of local heterozygosity on population doubling time (PDT) in the 11_1535 locus (KO23 in Fig. 2A). Comparison of local heterozygosity versus homozygosity in (A) BYxYDF7 and (B) BYxYDF27 whole genome hybrid backgrounds. Deleterious effects of local heterozygosity in identified in both backgrounds with much higher and significant differences observed under the later. (C) The effect of heterozygosity at the 11_1535 locus in the BYxBY inbred genetic backgrounds. Mean PDT of the three isogenic genotypes was used to infer level of dominance ($d/a=2.41$) and conclude a significant underdominant inheritance, i.e. growth of the local heterozygous is lower than both homozygous that are not significantly different. NS and ** denote non-significant and significant differences between means ($P<0.01$; Student's t test).

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Table S1 Genome scan results for heterozygosity associated with ODH^{DT} variation (HTL mapping)

(I) ALL windows		Window range in bp			Window range in SNP			
Chr	Windows #	Minimal	Maximal	Median	Minimal	Maximal	Median	Mean
1	1125	3	1618	4	3	10	3	3.09422
2	2308	3	1147	100	3	10	3	3.12955
3	1056	3	1116	34	3	10	3	3.05114
4	4148	3	2359	95	3	10	3	3.09041
5	1558	3	1099	73	3	10	3	3.07125
6	1050	3	748	29.5	3	9	3	3.04381
7	2901	3	1310	97	3	10	3	3.09342
8	1581	3	892	88	3	10	3	3.16698
9	1235	3	1218	79	3	10	3	3.15304
10	2647	3	1278	58	3	10	3	3.11825
11	2264	3	1206	58	3	10	3	3.12677
12	3321	3	1237	77	3	10	3	3.14484
13	3221	3	1005	52	3	10	3	3.16175
14	3594	3	1255	7	3	10	3	3.08152
15	3726	3	1123	69	3	10	3	3.10896
16	2661	3	1064	91	3	10	3	3.10071
TOTAL	38396	3	2359	70	3	10	3	3.11157

K	LnP(D)	Var[LnP(D)]
2	-3708.7	43.58
3	-3202.1	2.00
4	-2907.866667	47.92
5	-2570.2	17.29
6	-2221.5	5.84
7	-2711	1377.67
8	-4374.7	4307.20
9	-5191.266667	688.52

YDF#	Strain	Origin	Source	STRUCTURE clustering
2	BC187	Pennsylvania, USA	Oak	II
3	YPS606	NA	Fermentation (distillery)	III
4	YPS128	Missouri, USA	Clinical isolate (HIV patient - lung)	III
6	DBVPG6040	Netherlands	Fermenting fruit juice	II
7	SK1	USA	Soil	IV
8	L-1374	Sauternes, France	Wine	II
9	L-1528	Napa Valley, USA	Barrel fermentation	II
13	Y12	West Africa	Ginger beer from Z. officinale	VI
17	UWOPS87-2421	Africa	Palm wine strain	V
18	UWOPS03-461.4	Australia	Baker strain	I
19	UWOPS05-217.3	Netherlands	Baker strain	I
20	UWOPS05-227.2	Singapore	Baker strain	I
24	YJM978	Malaysia	Nectar, Bertam palm	II
27	DBVPG6044	Malaysia	Trigona, Bertam palm	IV
37	S1001	USA	Lab strain	II
38	YJM145/789	USA	Clinical	V

Table S3

Chromosome	Window name	First SNP (bp)	Last SNP (bp)	Window size (bp)	SNP per haplotype (SpH)- # SNPs in the window	ORF #	Gene	symbol	name
1	1_377	79	438	360	3	92	YAR014C	BUD14	BUD site sele
1	1_382	513	648	136	3	93	YAR015W	ADE1	ADEnine requ
1	1_582	1115	1119	5	3	103	YAR031W	PRM9	Pheromone-F
1	1_584	1125	1133	9	3	103	YAR031W	PRM9	Pheromone-F
1	1_585	1135	1138	4	3	103	YAR031W	PRM9	Pheromone-F
1	1_586	1140	1145	6	3	103	YAR031W	PRM9	Pheromone-F
1	1_587	1147	1151	5	3	103	YAR031W	PRM9	Pheromone-F
1	1_588	1152	1162	11	3	103	YAR031W	PRM9	Pheromone-F
1	1_589	1164	1167	4	3	103	YAR031W	PRM9	Pheromone-F
1	1_591	1179	1182	4	3	103	YAR031W	PRM9	Pheromone-F
1	1_977	175	177	3	3	113	YAR062W	Uncharacteri	Uncharacteri
1	1_128	386	452	67	3	30	YAL027W	SAW1	Single-strand
1	1_379	2026	2046	21	3	92	YAR014C	BUD14	BUD site sele
1	1_580	1104	1109	6	3	103	YAR031W	PRM9	Pheromone-F
1	1_581	1110	1112	3	3	103	YAR031W	PRM9	Pheromone-F
1	1_590	1170	1177	8	3	103	YAR031W	PRM9	Pheromone-F
1	1_601	1226	1229	4	3	103	YAR031W	PRM9	Pheromone-F
1	1_630	1417	1426	10	3	103	YAR031W	PRM9	Pheromone-F
1	1_731	317	321	5	3	104	YAR033W	MST28	Multicopy su
1	1_936	46	48	3	3	113	YAR062W	Uncharacteri	Uncharacteri
1	1_939	55	57	3	3	113	YAR062W	Uncharacteri	Uncharacteri

1	1_951	94	96	3	3	113	YAR062W	Uncharacteri	Uncharacteri
1	1_983	193	195	3	3	113	YAR062W	Uncharacteri	Uncharacteri
1	1_221	520	556	37	3	57	YAL047C	SPC72	Spindle Pole (
1	1_369	82	346	265	3	88	YAR007C	RFA1	Replication Fa
1	1_763	105	336	232	3	107	YAR042W	SWH1	Uncharacteri
1	1_225	1171	1223	53	3	57	YAL047C	SPC72	Spindle Pole (
1	1_362	18	80	63	3	86	YAR002W	NUP60	NUclear Pore
1	1_607	1247	1249	3	3	103	YAR031W	PRM9	Pheromone-F
2	2_82	1189	1858	670	5	142	YBL017C	PEP1	carboxyPEPti
2	2_255	580	622	43	3	180	YBL052C	SAS3	Something At
2	2_573	390	522	133	3	257	YBR006W	UGA2	Utilization of
2	2_656	1263	1265	3	3	283	YBR030W	RKM3	Ribosomal lys
2	2_758	80	82	3	3	303	YBR050C	REG2	REsistance to
2	2_1030	207	412	206	3	358	YBR098W	MMS4	Methyl Meth
2	2_1038	361	523	163	3	360	YBR101C	FES1	Factor Exchar
2	2_1039	538	844	307	3	360	YBR101C	FES1	Factor Exchar
2	2_1128	510	519	10	10	368	YBR108W	AIM3	Altered Inher
2	2_1203	681	757	77	3	371	YBR110W	ALG1	Asparagine-Li
2	2_1390	415	417	3	3	409	YBR142W	MAK5	MAintenance
2	2_1391	418	420	3	3	409	YBR142W	MAK5	MAintenance
2	2_1392	421	423	3	3	409	YBR142W	MAK5	MAintenance
2	2_1540	742	774	33	3	419	YBR152W	SPP381	Suppressor o
2	2_1550	909	966	58	3	422	YBR155W	CNS1	Cyclophilin S
2	2_1614	38	96	59	3	442	YBR174C	Uncharacteri	Uncharacteri
2	2_2091	1066	1370	305	7	560	YBR281C	DUG2	Deficient in U
2	2_83	1891	2061	171	3	142	YBL017C	PEP1	carboxyPEPti
2	2_661	1278	1289	12	3	283	YBR030W	RKM3	Ribosomal lys
2	2_705	1698	1938	241	3	291	YBR038W	CHS2	CHitin Synth

2	2_871	64	129	66	3	325	YBR069C	TAT1	Tyrosine and
2	2_1042	733	967	235	3	361	YBR102C	EXO84	EXOcyst
2	2_1045	168	241	74	3	363	YBR103W	SIF2	Sir4p-Interact
2	2_1126	502	504	3	3	368	YBR108W	AIM3	Altered Inher
2	2_1129	520	522	3	3	368	YBR108W	AIM3	Altered Inher
2	2_1267	799	862	64	3	393	YBR128C	ATG14	AuTophagy r
2	2_1406	1768	1808	41	3	409	YBR142W	MAK5	MAintenance
2	2_1485	298	306	9	3	417	YBR150C	TBS1	ThiaBendazol
2	2_1568	1215	1585	371	3	425	YBR158W	AMN1	Antagonist of
2	2_1613	628	1075	448	3	438	YBR170C	NPL4	Nuclear Prote
2	2_210	1681	1723	43	3	170	YBL042C	FUI1	5-FIUorourldi
2	2_1678	64	214	151	3	456	YBR187W	GDT1	Gcr1 Depend
2	2_28	2667	2862	196	3	126	YBL005W	PDR3	Pleiotropic Di
2	2_199	754	865	112	3	165	YBL039C	URA7	URAcil requir
2	2_206	189	349	161	3	170	YBL042C	FUI1	5-FIUorourldi
2	2_557	588	685	98	3	252	YBR001C	NTH2	Neutral TreH;
2	2_1018	1111	1240	130	3	357	YBR097W	VPS15	Vacuolar Prot
2	2_1020	1542	1632	91	3	357	YBR097W	VPS15	Vacuolar Prot
2	2_1022	1920	2004	85	3	357	YBR097W	VPS15	Vacuolar Prot
2	2_1219	2127	2265	139	3	376	YBR114W	RAD16	RADiation ser
2	2_1281	1743	1773	31	3	397	YBR131W	CCZ1	Calcium Caffe
2	2_1304	497	625	129	3	402	YBR136W	MEC1	Mitosis Entry
2	2_1308	1656	1866	211	3	402	YBR136W	MEC1	Mitosis Entry
2	2_1372	6591	6748	158	3	406	YBR140C	IRA1	Inhibitory Re
2	2_1393	424	447	24	3	409	YBR142W	MAK5	MAintenance
2	2_1454	13	106	94	3	415	YBR148W	YSW1	Uncharacteri
2	2_1551	1021	1137	117	3	422	YBR155W	CNS1	Cyclophilin S
2	2_1570	316	502	187	3	426	YBR159W	IFA38	Uncharacteri

2	2_1598	164	195	32	3	436	YBR168W	PEX32	PEroXisome r
2	2_1615	25	62	38	3	443	YBR175W	SWD3	Set1c
2	2_1654	540	570	31	3	452	YBR183W	YPC1	Yeast Phyto-C
2	2_3	916	1010	95	3	125	YBL004W	UTP20	U Three Prote
2	2_640	144	223	80	3	279	YBR026C	ETR1	2-Enoyl Thioe
2	2_1229	3362	3858	497	3	377	YBR115C	LYS2	LYSine requir
2	2_1298	265	333	69	3	400	YBR134W	Uncharacteri	Uncharacteri
2	2_1326	16	233	218	3	404	YBR138C	Uncharacteri	Uncharacteri
2	2_266	7	198	192	3	182	YBL054W	TOD6	Twin Of Dot6
2	2_1221	403	790	388	3	377	YBR115C	LYS2	LYSine requir
2	2_1226	2971	2991	21	3	377	YBR115C	LYS2	LYSine requir
2	2_1471	150	181	32	3	417	YBR150C	TBS1	ThiaBendazol
3	3_159	495	582	88	4	623	YCL040W	GLK1	GLucoKinase
3	3_200	714	836	123	3	635	YCL051W	LRE1	Laminarase R
3	3_218	66	358	293	3	641	YCL057W	PRD1	PRoteinase y
3	3_222	1128	1425	298	4	641	YCL057W	PRD1	PRoteinase y
3	3_238	628	727	100	3	646	YCL063W	VAC17	VACuole relat
3	3_241	1104	1181	78	3	646	YCL063W	VAC17	VACuole relat
3	3_245	747	789	43	3	647	YCL064C	CHA1	Catabolism o
3	3_686	5634	5838	205	4	693	YCR032W	BPH1	Beige Protein
3	3_807	668	1191	524	3	722	YCR061W	Uncharacteri	Uncharacteri
3	3_243	18	162	145	3	647	YCL064C	CHA1	Catabolism o
3	3_558	536	769	234	3	665	YCR009C	RVS161	Reduced Viab
3	3_915	514	547	34	3	752	YCR092C	MSH3	MutS Homolo
3	3_937	4407	4714	308	3	753	YCR093W	CDC39	Cell Division (
3	3_220	588	700	113	3	641	YCL057W	PRD1	PRoteinase y
3	3_223	1656	2002	347	3	641	YCL057W	PRD1	PRoteinase y
3	3_659	1176	1486	311	3	687	YCR026C	NPP1	ecto-Nucleoti

3	3_694	1248	1315	68	3	694	YCR033W	SNT1	SaNT domain
3	3_801	39	94	56	3	721	YCR060W	TAH1	Tpr-containin
3	3_916	589	658	70	3	752	YCR092C	MSH3	MutS Homolo
3	3_928	1272	1350	79	3	753	YCR093W	CDC39	Cell Division C
3	3_330	239	241	3	3	656	YCL076W	Uncharacteri	Uncharacteri
3	3_572	245	741	497	3	673	YCR017C	CWH43	Calcofluor WL
3	3_675	2005	2106	102	3	693	YCR032W	BPH1	Beige Protein
3	3_695	1365	1614	250	3	694	YCR033W	SNT1	SaNT domain
3	3_176	1026	1164	139	3	626	YCL043C	PDI1	Protein Disulf
4	4_2307	5750	5752	3	3	1215	YDR170C	SEC7	SECretory
4	4_2572	468	563	96	3	1285	YDR231C	COX20	Cytochrome c
4	4_2949	454	643	190	3	1372	YDR313C	PIB1	Phosphatidyl
4	4_3010	2667	2737	71	3	1389	YDR325W	YCG1	Yeast Cap G
4	4_3735	91	153	63	3	1533	YDR460W	TFB3	Transcription
4	4_4028	1012	1152	141	3	1581	YDR507C	GIN4	Growth Inhib
4	4_4094	679	814	136	3	1595	YDR520C	URC2	URacil Catabo
4	4_4133	433	490	58	3	1612	YDR533C	HSP31	Heat-Shock P
4	4_167	165	180	16	3	810	YDL037C	BSC1	Bypass of Sto
4	4_508	196	399	204	3	900	YDL123W	SNA4	Sensitivity to
4	4_2232	181	248	68	3	1197	YDR153C	ENT5	Epsin N-Term
4	4_2884	654	1065	412	3	1358	YDR299W	BFR2	BreFeldin A R
4	4_3182	1429	1498	70	3	1406	YDR342C	HXT7	HeXose Trans
4	4_3208	1429	1498	70	3	1407	YDR343C	HXT6	HeXose Trans
4	4_3823	737	827	91	3	1553	YDR479C	PEX29	PEroXosome r
4	4_3874	773	796	24	3	1559	YDR485C	VPS72	Vacuolar Prot
4	4_4112	228	426	199	3	1606	YDR527W	RBA50	RNA polymer
4	4_227	530	564	35	3	831	YDL057W	Uncharacteri	Uncharacteri
4	4_908	1734	1807	74	3	998	YDL215C	GDH2	Glutamate De

4	4_2938	1038	1251	214	3	1370	YDR311W	TFB1	Transcription
4	4_3059	1848	1950	103	3	1398	YDR334W	SWR1	SWi2/snf2-Re
4	4_21	140	198	59	3	780	YDL009C	Uncharacteri	Uncharacteri
4	4_330	18	259	242	3	854	YDL080C	THI3	THIamine me
4	4_933	1409	1460	52	3	1003	YDL220C	CDC13	Cell Division (
4	4_2235	711	943	233	3	1197	YDR153C	ENT5	Epsin N-Term
4	4_2803	341	372	32	3	1348	YDR289C	RTT103	Regulator of "
4	4_2804	373	375	3	3	1348	YDR289C	RTT103	Regulator of "
4	4_2890	1686	1735	50	3	1360	YDR301W	CFT1	Cleavage Fact
4	4_3971	773	867	95	3	1573	YDR499W	LCD1	Lethal
4	4_4123	235	343	109	3	1609	YDR530C	APA2	AP4A phosph
4	4_11	257	299	43	3	775	YDL005C	MED2	MEDiator cor
4	4_376	19	346	328	3	870	YDL094C	Uncharacteri	Uncharacteri
4	4_540	88	244	157	3	914	YDL135C	RDI1	Rho GDP Diss
4	4_949	219	567	349	3	1008	YDL225W	SHS1	Seventh Hom
4	4_3960	586	617	32	3	1572	YDR498C	SEC20	SECretory
4	4_4048	156	275	120	3	1583	YDR509W	Uncharacteri	Uncharacteri
4	4_4129	1059	1097	39	3	1610	YDR531W	CAB1	Coenzyme A l
4	4_408	112	205	94	3	880	YDL104C	QRI7	Uncharacteri
4	4_639	1422	1485	64	3	933	YDL154W	MSH5	MutS Homolc
4	4_856	1802	2100	299	3	989	YDL206W	Uncharacteri	Uncharacteri
4	4_1330	95	463	369	3	1069	YDR034C	LYS14	LYSine requir
4	4_1792	1923	1978	56	3	1120	YDR080W	VPS41	Vacuolar Prot
4	4_3998	994	1036	43	3	1580	YDR506C	GMC1	Grand Meioti
4	4_4115	786	819	34	3	1606	YDR527W	RBA50	RNA polymer
4	4_4147	489	618	130	3	1620	YDR541C	Uncharacteri	Uncharacteri
5	5_193	807	879	73	3	1687	YEL052W	AFG1	ATPase Famil
5	5_373	328	379	52	6	1730	YER011W	TIR1	Tlp1-Related

5	5_408	134	180	47	3	1733	YER014C-A	BUD25	BUD site sele
5	5_1171	1219	1405	187	3	1855	YER110C	KAP123	KARyopherin
5	5_112	810	852	43	3	1663	YEL031W	SPF1	Sensitivity to
5	5_1333	409	536	128	3	1906	YER152W-A	Uncharacteri	Uncharacteri
5	5_1110	1958	2525	568	3	1837	YER093C	TSC11	Temperature
5	5_259	1651	1762	112	3	1700	YEL063C	CAN1	CANavanine r
5	5_523	688	789	102	3	1764	YER040W	GLN3	GLutamiNe r
5	5_1088	400	494	95	3	1828	YER088C	DOT6	Disruptor Of
5	5_1416	3467	3683	217	3	1920	YER164W	CHD1	Chromatin or
5	5_413	1270	1358	89	3	1734	YER014W	HEM14	HEMe biosyn
5	5_1311	1337	1769	433	3	1898	YER147C	SCC4	Sister Chroma
5	5_1521	1278	1373	96	3	1944	YER184C	TOG1	Transcription
6	6_267	585	675	91	3	1997	YFL034W	Uncharacteri	Uncharacteri
6	6_273	1584	1857	274	3	1997	YFL034W	Uncharacteri	Uncharacteri
6	6_365	18	20	3	3	2013	YFL051C	Uncharacteri	Uncharacteri
6	6_366	21	24	4	3	2013	YFL051C	Uncharacteri	Uncharacteri
6	6_367	25	27	3	3	2013	YFL051C	Uncharacteri	Uncharacteri
6	6_924	2644	2800	157	3	2064	YFR031C	SMC2	Structural Ma
6	6_362	5	7	3	3	2013	YFL051C	Uncharacteri	Uncharacteri
6	6_363	10	13	4	3	2013	YFL051C	Uncharacteri	Uncharacteri
6	6_364	14	17	4	3	2013	YFL051C	Uncharacteri	Uncharacteri
6	6_368	28	32	5	3	2013	YFL051C	Uncharacteri	Uncharacteri
6	6_291	12	229	218	3	2000	YFL038C	YPT1	Yeast Protein
6	6_1029	790	844	55	3	2089	YFR051C	RET2	RETrieval fro
6	6_759	319	511	193	3	2035	YFR005C	SAD1	SnRNP Assemb
6	6_888	367	485	119	3	2059	YFR026C	ULI1	Upr-L-Inducib
6	6_903	1183	1315	133	3	2062	YFR029W	PTR3	Peptide TRan
7	7_65	1843	2122	280	4	2111	YGL013C	PDR1	Pleiotropic Di

7	7_1764	1762	2223	462	3	2505	YGR125W	Uncharacteri	Uncharacteri
7	7_1829	2121	2303	183	3	2520	YGR140W	CBF2	Centromere-I
7	7_1978	1559	1637	79	3	2552	YGR166W	TRS65	TRapp Subun
7	7_2007	1624	1691	68	3	2558	YGR171C	MSM1	Mitochondria
7	7_2011	133	485	353	3	2561	YGR174C	CBP4	Cytochrome I
7	7_2039	688	1018	331	3	2567	YGR179C	OKP1	Outer Kinetoc
7	7_2049	763	790	28	3	2572	YGR184C	UBR1	Uncharacteri
7	7_2050	832	931	100	3	2572	YGR184C	UBR1	Uncharacteri
7	7_233	136	169	34	3	2156	YGL056C	SDS23	homolog of S
7	7_423	2433	2527	95	3	2194	YGL093W	SPC105	Spindle Pole C
7	7_767	667	1039	373	3	2269	YGL167C	PMR1	Plasma Membr
7	7_913	271	315	45	3	2287	YGL185C	Uncharacteri	Uncharacteri
7	7_1386	778	958	181	3	2418	YGR043C	NQM1	Non-Quiesce
7	7_1765	2358	2406	49	3	2505	YGR125W	Uncharacteri	Uncharacteri
7	7_1768	2661	2961	301	3	2505	YGR125W	Uncharacteri	Uncharacteri
7	7_1826	1597	1756	160	3	2520	YGR140W	CBF2	Centromere-I
7	7_2000	2510	2738	229	3	2557	YGR170W	PSD2	Uncharacteri
7	7_2016	265	460	196	3	2563	YGR175C	ERG1	ERGosterol bi
7	7_2232	207	258	52	3	2595	YGR206W	MVB12	MultiVesicula
7	7_2383	1624	1684	61	3	2627	YGR238C	KEL2	KELch repeat
7	7_2431	502	684	183	3	2639	YGR249W	MGA1	Uncharacteri
7	7_177	291	376	86	3	2132	YGL033W	HOP2	HOmologous
7	7_875	1161	1211	51	3	2283	YGL181W	GTS1	Glycine Threo
7	7_1312	1696	1756	61	3	2378	YGR009C	SEC9	SECretory
7	7_1374	961	1025	65	3	2416	YGR041W	BUD9	BUD site sele
7	7_2036	84	196	113	3	2567	YGR179C	OKP1	Outer Kinetoc
7	7_2408	819	849	31	3	2631	YGR241C	YAP1802	Yeast Assembl
7	7_2411	1395	1437	43	3	2631	YGR241C	YAP1802	Yeast Assembl

7	7_68	2989	3166	178	3	2111	YGL013C	PDR1	Pleiotropic Di
7	7_327	529	813	285	3	2176	YGL075C	MPS2	MonoPolar S
7	7_403	1731	1767	37	3	2193	YGL092W	NUP145	NUclear Pore
7	7_776	272	309	38	3	2271	YGL169W	SUA5	Suppressor o
7	7_781	61	205	145	3	2272	YGL170C	SPO74	SPOrulation
7	7_783	295	420	126	3	2272	YGL170C	SPO74	SPOrulation
7	7_1003	3223	3477	255	3	2301	YGL197W	MDS3	Mck1 Dosage
7	7_1202	368	451	84	3	2356	YGL251C	HFM1	Helicase Fam
7	7_2030	933	955	23	3	2566	YGR178C	PBP1	Pab1p-Bindin
7	7_2037	301	535	235	3	2567	YGR179C	OKP1	Outer Kinetoc
7	7_2051	962	1075	114	3	2572	YGR184C	UBR1	Uncharacteri
7	7_2056	1554	1678	125	3	2572	YGR184C	UBR1	Uncharacteri
7	7_2059	2008	2078	71	3	2572	YGR184C	UBR1	Uncharacteri
7	7_2069	3244	3298	55	3	2572	YGR184C	UBR1	Uncharacteri
7	7_2418	645	683	39	3	2636	YGR246C	BRF1	B-Related Fac
7	7_234	198	235	38	3	2156	YGL056C	SDS23	homolog of S
7	7_775	93	148	56	3	2271	YGL169W	SUA5	Suppressor o
7	7_985	22	153	132	3	2301	YGL197W	MDS3	Mck1 Dosage
7	7_996	1567	1763	197	3	2301	YGL197W	MDS3	Mck1 Dosage
7	7_1313	394	591	198	3	2379	YGR010W	NMA2	Nicotinamide
7	7_2028	754	842	89	3	2566	YGR178C	PBP1	Pab1p-Bindin
7	7_2054	1456	1507	52	3	2572	YGR184C	UBR1	Uncharacteri
7	7_2257	987	1023	37	3	2601	YGR212W	SLI1	Sphingosine-I
7	7_2316	465	726	262	3	2616	YGR227W	DIE2	Derepression
7	7_292	564	669	106	3	2166	YGL065C	ALG2	Asparagine-Li
7	7_1874	634	858	225	3	2531	YGR150C	CCM1	COB and COX
7	7_2035	1959	2073	115	3	2566	YGR178C	PBP1	Pab1p-Bindin
7	7_2047	576	613	38	3	2572	YGR184C	UBR1	Uncharacteri

7	7_1288	46	259	214	3	2371	YGR002C	SWC4	SWr Complex
8	8_148	781	926	146	3	2723	YHL027W	RIM101	Regulator of I
8	8_150	935	937	3	3	2723	YHL027W	RIM101	Regulator of I
8	8_151	938	940	3	3	2723	YHL027W	RIM101	Regulator of I
8	8_152	941	1066	126	3	2723	YHL027W	RIM101	Regulator of I
8	8_231	1811	1881	71	3	2729	YHL032C	GUT1	Glycerol UTili
8	8_1253	628	940	313	4	2940	YHR161C	YAP1801	Yeast Assembl
8	8_1465	115	395	281	3	2991	YHR205W	SCH9	Uncharacteri:
8	8_12	364	544	181	3	2699	YHL007C	STE20	STERile
8	8_1085	239	241	3	3	2924	YHR145C	Uncharacteri:	Uncharacteri:
8	8_1094	267	269	3	3	2924	YHR145C	Uncharacteri:	Uncharacteri:
8	8_1106	321	323	3	3	2924	YHR145C	Uncharacteri:	Uncharacteri:
8	8_1251	331	451	121	3	2940	YHR161C	YAP1801	Yeast Assembl
8	8_1455	86	253	168	3	2988	YHR202W	Uncharacteri:	Uncharacteri:
8	8_232	1938	2048	111	3	2729	YHL032C	GUT1	Glycerol UTili
8	8_1100	294	297	4	3	2924	YHR145C	Uncharacteri:	Uncharacteri:
8	8_1207	1393	1417	25	3	2930	YHR151C	MTC6	Maintenance
8	8_299	1832	1863	32	3	2738	YHL040C	ARN1	AFT1 Regulo
8	8_315	72	267	196	3	2752	YHR001W	OSH7	OxySterol bin
8	8_460	2014	2119	106	3	2784	YHR028C	DAP2	Dipeptidyl An
8	8_551	330	706	377	3	2802	YHR042W	NCP1	Uncharacteri:
8	8_553	936	1149	214	3	2802	YHR042W	NCP1	Uncharacteri:
8	8_530	474	574	101	3	2795	YHR036W	BRL1	BRR6 Like pro
8	8_636	465	784	320	3	2823	YHR058C	MED6	MEDIator cor
8	8_1473	149	303	155	3	2992	YHR206W	SKN7	Suppressor of
9	9_29	813	1002	190	3	3026	YIL009W	FAA3	Fatty Acid Act
9	9_33	1774	1956	183	3	3026	YIL009W	FAA3	Fatty Acid Act
9	9_172	1200	1286	87	3	3058	YIL036W	CST6	Chromosome

9	9_350	36	76	41	3	3091	YIL066W-A	Uncharacteri	Uncharacteri
9	9_354	1678	1718	41	3	3092	YIL067C	Uncharacteri	Uncharacteri
9	9_928	576	603	28	3	3197	YIL162W	SUC2	SUCro
9	9_31	1326	1425	100	3	3026	YIL009W	FAA3	Fatty Acid Ac
9	9_177	729	774	46	3	3059	YIL037C	PRM2	Pheromone-F
9	9_178	789	833	45	3	3059	YIL037C	PRM2	Pheromone-F
9	9_180	1044	1066	23	3	3059	YIL037C	PRM2	Pheromone-F
9	9_1061	1011	1104	94	3	3221	YIR007W	EGH1	Cryptococcus
9	9_15	1168	1308	141	3	3021	YIL005W	EPS1	Uncharacteri
9	9_485	158	220	63	3	3133	YIL104C	SHQ1	Small nucleol
9	9_691	489	534	46	3	3162	YIL131C	FKH1	ForK head Ho
9	9_182	1228	1253	26	3	3059	YIL037C	PRM2	Pheromone-F
9	9_194	649	766	118	3	3060	YIL038C	NOT3	Uncharacteri
9	9_204	189	408	220	3	3063	YIL041W	GVP36	Golgi Vesicle
9	9_670	2615	2685	71	3	3161	YIL130W	ASG1	Activator of S
9	9_704	645	715	71	3	3166	YIL134W	FLX1	FLavin eXchar
9	9_1144	134	155	22	3	3242	YIR023C-A	Uncharacteri	Uncharacteri
9	9_1167	2740	2761	22	3	3243	YIR023W	DAL81	Degradation
9	9_32	1470	1584	115	3	3026	YIL009W	FAA3	Fatty Acid Ac
9	9_175	467	533	67	3	3059	YIL037C	PRM2	Pheromone-F
9	9_181	1101	1224	124	3	3059	YIL037C	PRM2	Pheromone-F
9	9_543	625	834	210	3	3144	YIL114C	POR2	PORin
9	9_647	693	1057	365	3	3161	YIL130W	ASG1	Activator of S
9	9_949	1292	1545	254	3	3197	YIL162W	SUC2	SUCro
9	9_34	38	120	83	3	3027	YIL010W	DOT5	Disruptor Of
9	9_37	75	335	261	3	3028	YIL011W	TIR3	Tlp1-Related
9	9_223	21	91	71	3	3069	YIL046W-A	Uncharacteri	Uncharacteri
9	9_417	189	314	126	3	3116	YIL089W	Uncharacteri	Uncharacteri

9	9_542	392	617	226	3	3144	YIL114C	POR2	PORin
9	9_723	1765	1887	123	3	3169	YIL137C	TMA108	Translation M
10	10_187	1845	2057	213	3	3316	YJL051W	IRC8	Increased Rec
10	10_1737	25	67	43	3	3456	YJL182C	Uncharacteri	Uncharacteri
10	10_1839	570	612	43	3	3476	YJL201W	ECM25	ExtraCellular
10	10_1872	2869	3112	244	3	3482	YJL207C	LAA1	Large AP-1 Ac
10	10_2221	807	1113	307	3	3568	YJR064W	CCT5	Chaperonin C
10	10_2498	237	517	281	3	3634	YJR129C	EFM3	Elongation Fa
10	10_1373	491	493	3	3	3433	YJL159W	HSP150	Heat Shock P
10	10_2415	391	493	103	3	3615	YJR111C	Uncharacteri	PeroXisomal
10	10_2433	369	573	205	3	3622	YJR117W	STE24	STERile
10	10_2459	589	699	111	3	3629	YJR124C	Uncharacteri	Uncharacteri
10	10_1762	541	769	229	3	3461	YJL187C	SWE1	Saccharomyc
10	10_1884	297	378	82	3	3484	YJL209W	CBP1	Cytochrome I
10	10_2411	129	807	679	3	3614	YJR110W	YMR1	Yeast Myotuk
10	10_2442	1176	1226	51	3	3624	YJR119C	JHD2	JmjC domain-
10	10_2469	1012	1153	142	3	3631	YJR126C	VPS70	Vacuolar Prot
10	10_170	852	924	73	3	3315	YJL050W	MTR4	Mrna TRansp
10	10_1071	169	234	66	3	3394	YJL125C	GCD14	General Cont
10	10_1857	2197	2277	81	3	3479	YJL204C	RCY1	ReCYcling
10	10_1866	1063	1348	286	3	3482	YJL207C	LAA1	Large AP-1 Ac
10	10_1868	1438	1721	284	3	3482	YJL207C	LAA1	Large AP-1 Ac
10	10_2045	326	330	5	3	3527	YJR023C	Uncharacteri	Uncharacteri
10	10_2046	331	333	3	3	3527	YJR023C	Uncharacteri	Uncharacteri
10	10_2464	22	314	293	3	3631	YJR126C	VPS70	Vacuolar Prot
10	10_2566	304	432	129	3	3654	YJR147W	HMS2	High-copy Me
10	10_1738	94	173	80	3	3456	YJL182C	Uncharacteri	Uncharacteri
10	10_1828	556	660	105	3	3475	YJL200C	ACO2	ACONitase

10	10_1852	881	1095	215	3	3479	YJL204C	RCY1	ReCYcling
10	10_1869	1801	1873	73	3	3482	YJL207C	LAA1	Large AP-1 Ac
10	10_1871	2293	2828	536	3	3482	YJL207C	LAA1	Large AP-1 Ac
10	10_1875	3688	3829	142	3	3482	YJL207C	LAA1	Large AP-1 Ac
10	10_1885	383	687	305	3	3484	YJL209W	CBP1	Cytochrome I
10	10_2047	334	336	3	3	3527	YJR023C	Uncharacteri	Uncharacteri
10	10_1847	228	261	34	3	3478	YJL203W	PRP21	Pre-mRNA Pr
10	10_1863	1843	1903	61	3	3481	YJL206C	Uncharacteri	Uncharacteri
10	10_2035	995	1228	234	3	3520	YJR016C	ILV3	IsoLeucine-pl
10	10_2407	910	1144	235	3	3613	YJR109C	CPA2	Carbamyl Phc
10	10_2440	697	763	67	3	3624	YJR119C	JHD2	JmjC domain-
11	11_1472	499	557	59	3	3915	YKR006C	MRPL13	Mitochondria
11	11_1486	2251	2392	142	3	3918	YKR009C	FOX2	Fatty acid OX
11	11_1498	96	106	11	3	3921	YKR012C	Uncharacteri	Uncharacteri
11	11_1517	536	541	6	3	3922	YKR013W	PRY2	Pathogen Rel
11	11_1535	771	840	70	3	3925	YKR016W	MIC60	MItochondria
11	11_1593	1633	1685	53	3	3937	YKR028W	SAP190	Sit4 Associate
11	11_1597	2073	2143	71	3	3937	YKR028W	SAP190	Sit4 Associate
11	11_1608	369	645	277	3	3939	YKR030W	GMH1	Gea1-6 Memi
11	11_1621	3231	3289	59	3	3940	YKR031C	SPO14	SPOrulation
11	11_1468	616	655	40	3	3914	YKR005C	Uncharacteri	Uncharacteri
11	11_1469	672	830	159	3	3914	YKR005C	Uncharacteri	Uncharacteri
11	11_1473	590	711	122	3	3915	YKR006C	MRPL13	Mitochondria
11	11_1547	1576	1632	57	3	3927	YKR018C	Uncharacteri	Uncharacteri
11	11_1889	258	265	8	3	3957	YKR047W	Uncharacteri	Uncharacteri
11	11_1537	1113	1272	160	3	3925	YKR016W	MIC60	MItochondria
11	11_1240	60	159	100	3	3886	YKL202W	Uncharacteri	Uncharacteri
11	11_1345	2791	2816	26	3	3893	YKL209C	STE6	STERile

11	11_1462	21	249	229	3	3913	YKR004C	ECM9	ExtraCellular
11	11_1527	544	604	61	3	3924	YKR015C	Uncharacteri	Uncharacteri
11	11_1534	349	576	228	3	3925	YKR016W	MIC60	Mitochondria
11	11_1588	246	366	121	3	3937	YKR028W	SAP190	Sit4 Associate
11	11_1594	1732	1752	21	3	3937	YKR028W	SAP190	Sit4 Associate
11	11_1598	2163	3028	866	3	3937	YKR028W	SAP190	Sit4 Associate
11	11_1626	4150	4168	19	3	3940	YKR031C	SPO14	SPOrulation
11	11_1627	4183	4221	39	3	3940	YKR031C	SPO14	SPOrulation
11	11_1654	418	478	61	3	3947	YKR037C	SPC34	Spindle Pole (
11	11_2105	33	192	160	3	4001	YKR090W	PXL1	PaXillin-Like p
11	11_379	374	503	130	3	3744	YKL068W	NUP100	NUclear Pore
11	11_1252	225	287	63	3	3886	YKL202W	Uncharacteri	Uncharacteri
11	11_1346	2953	3103	151	3	3893	YKL209C	STE6	STERile
11	11_1366	853	880	28	3	3895	YKL211C	TRP3	TRyPtophan
11	11_1368	1297	1309	13	3	3895	YKL211C	TRP3	TRyPtophan
11	11_1540	300	1006	707	3	3926	YKR017C	HEL1	Histone E3 Liq
11	11_1577	1952	2218	267	3	3933	YKR024C	DBP7	Dead Box Pro
11	11_1618	2254	2325	72	3	3940	YKR031C	SPO14	SPOrulation
11	11_1653	178	394	217	3	3947	YKR037C	SPC34	Spindle Pole (
11	11_2228	2364	2394	31	3	4008	YKR096W	ESL2	EST/SMG-like
11	11_1344	2311	2719	409	3	3893	YKL209C	STE6	STERile
11	11_1367	892	1258	367	3	3895	YKL211C	TRP3	TRyPtophan
11	11_1458	399	576	178	3	3911	YKR002W	PAP1	Poly(A) Polyr
11	11_1609	40	112	73	3	3940	YKR031C	SPO14	SPOrulation
11	11_1616	1822	1978	157	3	3940	YKR031C	SPO14	SPOrulation
11	11_2159	330	447	118	3	4004	YKR093W	PTR2	Peptide TRan
12	12_179	859	1109	251	3	4050	YLL029W	FRA1	Fe Repressor
12	12_374	768	877	110	3	4077	YLL056C	Uncharacteri	Uncharacteri

12	12_1767	198	264	67	3	4352	YLR237W	THI7	ThIamine me
12	12_1785	174	576	403	3	4355	YLR240W	VPS34	Vacuolar Prot
12	12_1788	1319	1491	173	3	4355	YLR240W	VPS34	Vacuolar Prot
12	12_2706	1179	1388	210	3	4558	YLR424W	SPP382	Suppressor of
12	12_1654	31	316	286	3	4323	YLR211C	ATG38	AuTophagy n
12	12_345	1087	1980	894	3	4072	YLL051C	FRE6	Ferric REDuct
12	12_1490	212	293	82	3	4289	YLR177W	Uncharacteri	Uncharacteri
12	12_1653	609	1178	570	3	4322	YLR210W	CLB4	CycLin B
12	12_1909	193	250	58	3	4387	YLR269C	Uncharacteri	Uncharacteri
12	12_1910	378	666	289	3	4388	YLR270W	DCS1	DeCapping Sc
12	12_1932	873	952	80	3	4391	YLR273C	PIG1	Protein Inter
12	12_1953	301	337	37	3	4399	YLR281C	Uncharacteri	Uncharacteri
12	12_2000	364	541	178	3	4409	YLR288C	MEC3	Mitosis Entry
12	12_411	154	287	134	3	4084	YLL063C	AYT1	AcetylTransfe
12	12_1651	38	62	25	3	4322	YLR210W	CLB4	CycLin B
12	12_2068	216	417	202	3	4430	YLR307W	CDA1	Chitin DeAcet
12	12_2599	952	1104	153	3	4540	YLR409C	UTP21	U Three Prote
12	12_368	818	1019	202	3	4076	YLL055W	YCT1	Yeast Cystein
12	12_1816	1363	1629	267	3	4362	YLR247C	IRC20	Increased Rec
12	12_1852	1662	1800	139	3	4374	YLR258W	GSY2	Glycogen SYN
12	12_2016	163	205	43	3	4412	YLR291C	GCD7	General Cont
12	12_2076	752	901	150	3	4432	YLR309C	IMH1	shares with Ir
13	13_121	601	942	342	4	4646	YML035C	AMD1	AMP Deamin
13	13_124	1646	1774	129	4	4646	YML035C	AMD1	AMP Deamin
13	13_127	354	506	153	8	4647	YML036W	CGI121	homolog of h
13	13_291	765	947	183	3	4687	YML072C	TCB3	Three Calciun
13	13_2223	1789	1791	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_2224	1792	1794	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri

13	13_2298	2252	2254	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_2299	2255	2257	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_2310	2288	2290	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_2311	2291	2293	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_2312	2294	2296	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_2313	2297	2299	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_2314	2300	2302	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_65	113	156	44	3	4629	YML019W	OST6	OligoSacchar
13	13_179	1858	2035	178	3	4661	YML049C	RSE1	RNA Splicing
13	13_1152	627	630	4	3	4901	YMR133W	REC114	RECombinatio
13	13_2038	628	630	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_2295	2242	2244	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_3004	267	717	451	3	5063	YMR278W	PRM15	Phospho Ribc
13	13_3129	48	50	3	3	5091	YMR304C-A	Uncharacteri	Uncharacteri
13	13_3155	1805	1985	181	3	5095	YMR306W	FKS3	Uncharacteri
13	13_3165	1018	1296	279	3	5097	YMR307W	GAS1	Glycophospho
13	13_3166	1374	1461	88	3	5097	YMR307W	GAS1	Glycophospho
13	13_3167	102	232	131	3	5098	YMR308C	PSE1	Protein Secre
13	13_120	22	553	532	3	4646	YML035C	AMD1	AMP Deamin
13	13_172	1540	1664	125	3	4661	YML049C	RSE1	RNA Splicing
13	13_675	141	363	223	3	4787	YMR028W	TAP42	Two A phospl
13	13_684	143	175	33	3	4790	YMR030W-A	Uncharacteri	Uncharacteri
13	13_2285	2212	2214	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_2324	2330	2332	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_2340	2387	2389	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_3162	4689	4919	231	3	5095	YMR306W	FKS3	Uncharacteri
13	13_2331	2351	2353	3	3	4948	YMR173W-A	Uncharacteri	Uncharacteri
13	13_54	1284	1339	56	3	4627	YML017W	PSP2	Polymerase S

13	13_80	349	964	616	3	4633	YML023C	NSE5	Non-SMC Ele
13	13_399	168	410	243	3	4715	YML098W	TAF13	TATA binding
13	13_416	1728	1887	160	3	4718	YML100W	TSL1	Trehalose Syr
13	13_611	420	657	238	3	4773	YMR014W	BUD22	BUD site sele
13	13_1264	3016	3532	517	3	4935	YMR162C	DNF3	Drs2 Neo1 Fa
13	13_1423	1237	1821	585	3	4940	YMR167W	MLH1	MutL Homolc
13	13_3101	2215	2302	88	3	5089	YMR302C	YME2	Yeast Mitoch
13	13_142	238	385	148	3	4654	YML043C	RRN11	Regulation of
13	13_410	2296	2622	327	3	4716	YML099C	ARG81	ARGinine req
13	13_1438	1198	1213	16	3	4942	YMR169C	ALD3	Aldehyde De
13	13_1582	1181	1612	432	3	4944	YMR171C	EAR1	Endosomal A
13	13_3099	1537	1627	91	3	5089	YMR302C	YME2	Yeast Mitoch
13	13_2827	2689	2719	31	3	5030	YMR247C	RKR1	RING domain
13	13_3100	1693	2021	329	3	5089	YMR302C	YME2	Yeast Mitoch
14	14_1055	369	373	5	3	5154	YNL034W	Uncharacteri	Uncharacteri
14	14_2939	58	98	41	3	5453	YNL318C	HXT14	HeXose Trans
14	14_3169	5149	5206	58	3	5494	YNR016C	ACC1	Acetyl-CoA C
14	14_2165	519	844	326	3	5325	YNL193W	Uncharacteri	Uncharacteri
14	14_3223	4631	4646	16	3	5509	YNR031C	SSK2	Suppressor o
14	14_1751	789	1134	346	3	5239	YNL112W	DBP2	Dead Box Pro
14	14_2421	442	522	81	3	5388	YNL256W	FOL1	FOLic acid syr
14	14_3124	537	861	325	3	5486	YNR008W	LRO1	Lecithin chole
14	14_3235	2310	2335	26	3	5512	YNR033W	ABZ1	para-AminoB
14	14_3333	390	437	48	3	5525	YNR045W	PET494	PETite coloni
15	15_2	112	142	31	3	5560	YOL002C	IZH2	Implicated in
15	15_4	564	892	329	3	5560	YOL002C	IZH2	Implicated in
15	15_284	71	157	87	4	5634	YOL071W	SDH5	Succinate Del
15	15_349	3126	3138	13	3	5644	YOL081W	IRA2	Inhibitory Reg

15	15_361	5397	5478	82	3	5644	YOL081W	IRA2	Inhibitory Reg
15	15_363	5946	6157	212	3	5644	YOL081W	IRA2	Inhibitory Reg
15	15_404	1929	2028	100	3	5648	YOL084W	PHM7	PHosphate M
15	15_516	2560	2712	153	3	5667	YOL100W	PKH2	Pkb-activatin
15	15_670	22	279	258	4	5701	YOL132W	GAS4	Glycophosph
15	15_901	376	379	4	3	5732	YOL161C	PAU20	seriPAUperin
15	15_902	380	383	4	3	5732	YOL161C	PAU20	seriPAUperin
15	15_915	429	431	3	3	5732	YOL161C	PAU20	seriPAUperin
15	15_916	432	434	3	3	5732	YOL161C	PAU20	seriPAUperin
15	15_918	438	440	3	3	5732	YOL161C	PAU20	seriPAUperin
15	15_2089	223	494	272	3	5903	YOR153W	PDR5	Pleiotropic Di
15	15_2207	1609	1618	10	3	5924	YOR171C	LCB4	Long-Chain B
15	15_2211	855	894	40	3	5925	YOR172W	YRM1	Yeast Revero
15	15_2214	1257	1374	118	3	5925	YOR172W	YRM1	Yeast Revero
15	15_2379	80	174	95	3	5952	YOR195W	SLK19	Synthetic Letl
15	15_2386	19	73	55	3	5953	YOR196C	LIP5	LIPoic acid
15	15_112	275	410	136	3	5589	YOL028C	YAP7	Yeast AP-1
15	15_574	117	213	97	3	5678	YOL109W	ZEO1	ZEOcin resist
15	15_836	83	85	3	3	5732	YOL161C	PAU20	seriPAUperin
15	15_904	388	391	4	3	5732	YOL161C	PAU20	seriPAUperin
15	15_905	392	394	3	3	5732	YOL161C	PAU20	seriPAUperin
15	15_908	405	407	3	3	5732	YOL161C	PAU20	seriPAUperin
15	15_914	426	428	3	3	5732	YOL161C	PAU20	seriPAUperin
15	15_917	435	437	3	3	5732	YOL161C	PAU20	seriPAUperin
15	15_919	441	443	3	3	5732	YOL161C	PAU20	seriPAUperin
15	15_1854	756	963	208	3	5856	YOR108W	LEU9	LEUcine biosy
15	15_3112	1173	1223	51	3	6122	YOR356W	CIR2	Changed Intr
15	15_3123	288	619	332	3	6127	YOR361C	PRT1	PRoTein syntl

15	15_2050	550	752	203	3	5894	YOR144C	ELG1	Enhanced Lev
15	15_2478	367	401	35	3	5972	YOR215C	AIM41	Altered Inher
15	15_291	43	193	151	3	5637	YOL075C	Uncharacteri	Uncharacteri
15	15_377	9093	9133	41	3	5644	YOL081W	IRA2	Inhibitory Re
15	15_538	598	797	200	3	5674	YOL105C	WSC3	cell Wall inte
15	15_760	19	76	58	3	5719	YOL150C	Uncharacteri	Uncharacteri
15	15_770	798	855	58	3	5720	YOL151W	GRE2	Genes de Res
15	15_773	474	508	35	3	5721	YOL152W	FRE7	Ferric REduct
15	15_780	1531	1544	14	3	5721	YOL152W	FRE7	Ferric REduct
15	15_954	2305	2512	208	3	5744	YOR005C	DNL4	DNA Ligase
15	15_2230	182	239	58	3	5932	YOR179C	SYC1	Similar to Ysh
15	15_2265	2667	2916	250	3	5942	YOR188W	MSB1	Multicopy Su
15	15_2981	2974	3102	129	3	6093	YOR330C	MIP1	Mitochondria
15	15_3094	841	933	93	3	6119	YOR353C	SOG2	Uncharacteri
15	15_3164	158	168	11	3	6137	YOR371C	GPB1	Uncharacteri
15	15_806	1471	1585	115	3	5727	YOL157C	IMA2	IsoMAltase
15	15_937	1022	1371	350	3	5741	YOR002W	ALG6	Asparagine-Li
15	15_1646	1272	1326	55	3	5812	YOR067C	ALG8	Asparagine-Li
15	15_2334	129	131	3	3	5949	YOR192C-C	Uncharacteri	Uncharacteri
15	15_3170	1129	1300	172	3	6137	YOR371C	GPB1	Uncharacteri
15	15_307	2208	2233	26	3	5638	YOL076W	MDM20	Mitochondria
15	15_3171	1338	1411	74	3	6137	YOR371C	GPB1	Uncharacteri
16	16_434	651	756	106	3	6272	YPL104W	MSD1	Mitochondria
16	16_448	1623	1636	14	3	6273	YPL105C	SYH1	SmY2 Homok
16	16_616	2500	2577	78	3	6307	YPL137C	GIP3	Glc7 Interacti
16	16_618	3015	3044	30	3	6307	YPL137C	GIP3	Glc7 Interacti
16	16_630	149	470	322	3	6311	YPL141C	FRK1	Fatty acyl-Co
16	16_633	925	1013	89	3	6311	YPL141C	FRK1	Fatty acyl-Co

16	16_687	1922	1984	63	3	6324	YPL153C	RAD53	RADiation ser
16	16_933	138	369	232	3	6349	YPL178W	CBC2	Cap Binding C
16	16_1012	83	85	3	3	6363	YPL190C	NAB3	Nuclear polyA
16	16_1029	2074	2076	3	3	6363	YPL190C	NAB3	Nuclear polyA
16	16_1092	76	325	250	3	6385	YPL212C	PUS1	PseudoUridin
16	16_1732	163	165	3	3	6508	YPR042C	PUF2	PUmilio-hom
16	16_1842	793	1224	432	4	6534	YPR068C	HOS1	Hda One Simi
16	16_1876	233	285	53	3	6546	YPR079W	MRL1	Mannose 6-p
16	16_1878	253	312	60	3	6548	YPR081C	GRS2	Glycyl-tRNA S
16	16_1960	738	1038	301	3	6572	YPR106W	ISR1	Inhibition of S
16	16_1994	537	895	359	3	6578	YPR111W	DBF20	DumbBell For
16	16_2012	1762	1795	34	3	6582	YPR115W	RGC1	Regulator of t
16	16_2287	222	270	49	8	6613	YPR143W	RRP15	Ribosomal RN
16	16_2347	391	520	130	3	6627	YPR156C	TPO3	Transporter c
16	16_2467	181	244	64	3	6657	YPR176C	BET2	Blocked Early
16	16_2472	245	378	134	3	6659	YPR178W	PRP4	Pre-mRNA Pr
16	16_2509	1242	1353	112	3	6665	YPR184W	GDB1	Uncharacteri
16	16_2514	2466	2850	385	4	6665	YPR184W	GDB1	Uncharacteri
16	16_129	362	364	3	3	6191	YPL026C	SKS1	Suppressor Ki
16	16_271	2718	3148	431	3	6224	YPL058C	PDR12	Pleiotropic Di
16	16_621	3202	3328	127	3	6307	YPL137C	GIP3	Glc7 Interacti
16	16_1095	271	432	162	3	6386	YPL213W	LEA1	Looks Excepti
16	16_1368	1555	1723	169	3	6441	YPL263C	KEL3	KELch
16	16_1445	11	54	44	3	6453	YPL275W	FDH2	Uncharacteri
16	16_1736	175	177	3	3	6508	YPR042C	PUF2	PUmilio-hom
16	16_1879	376	430	55	3	6548	YPR081C	GRS2	Glycyl-tRNA S
16	16_1882	1246	1399	154	3	6548	YPR081C	GRS2	Glycyl-tRNA S
16	16_2257	440	442	3	3	6612	YPR142C	Uncharacteri	Uncharacteri

16	16_2265	464	567	104	3	6612	YPR142C	Uncharacteri	Uncharacteri
16	16_2348	535	654	120	3	6627	YPR156C	TPO3	Transporter c
16	16_2394	913	1050	138	3	6639	YPR161C	SGV1	Suppressor o
16	16_2466	30	94	65	3	6657	YPR176C	BET2	Blocked Early
16	16_2551	247	277	31	3	6671	YPR190C	RPC82	RNA Polymer
16	16_2548	3187	3404	218	3	6670	YPR189W	SKI3	SuperKiller
16	16_273	3292	3622	331	3	6224	YPL058C	PDR12	Pleiotropic Di
16	16_1338	1348	1530	183	3	6429	YPL253C	VIK1	Vegetative In
16	16_1932	241	297	57	3	6562	YPR096C	Uncharacteri	Uncharacteri
16	16_1973	35	37	3	3	6575	YPR108W-A	Uncharacteri	Uncharacteri
16	16_1996	1345	1641	297	3	6578	YPR111W	DBF20	DumbBell For
16	16_2309	199	310	112	3	6619	YPR148C	Uncharacteri	Uncharacteri
16	16_2453	721	871	151	3	6654	YPR173C	VPS4	Vacuolar Prot
16	16_2568	125	139	15	3	6673	YPR192W	AQY1	AQuaporin of
16	16_2580	1189	1269	81	3	6675	YPR194C	OPT2	OligoPeptide
16	16_75	793	958	166	3	6180	YPL015C	HST2	Homolog of S
16	16_565	439	601	163	3	6291	YPL122C	TFB2	Transcription
16	16_2017	2178	2259	82	3	6582	YPR115W	RGC1	Regulator of t
16	16_2625	99	101	3	3	6705	Q0140	VAR1	Uncharacteri
16	16_1993	182	510	329	3	6578	YPR111W	DBF20	DumbBell For
16	16_2002	1688	2053	366	3	6579	YPR112C	MRD1	Multiple RNA
2	2_646	1391	1564	174	3	281	YBR028C	YPK3	Uncharacteri
2	2_1286	1144	1264	121	3	398	YBR132C	AGP2	high-Affinity
4	4_1850	108	409	302	3	1130	YDR090C	Uncharacteri	Uncharacteri
5	5_252	216	405	190	3	1699	YEL062W	NPR2	Nitrogen Perr
7	7_1537	135	159	25	3	2456	YGR080W	TWF1	TWinFilin
7	7_1762	1575	1650	76	3	2505	YGR125W	Uncharacteri	Uncharacteri
9	9_669	2612	2614	3	3	3161	YIL130W	ASG1	Activator of S

11	11_505	927	1089	163	3	3766	YKL089W	MIF2	Mitotic Fidelity
11	11_679	1221	1242	22	3	3806	YKL175W	ZRT3	Uncharacterized
13	13_503	721	1105	385	3	4741	YML120C	NDI1	NADH Dehydrogenase
15	15_552	1021	1023	3	3	5674	YOL105C	WSC3	cell Wall integrity
15	15_553	1024	1026	3	3	5674	YOL105C	WSC3	cell Wall integrity
15	15_554	1027	1029	3	3	5674	YOL105C	WSC3	cell Wall integrity
15	15_2146	117	143	27	3	5912	YOR161C-C	Uncharacterized	Uncharacterized
15	15_2147	63	162	100	3	5914	YOR161W-B	Uncharacterized	Uncharacterized
15	15_2291	835	1210	376	3	5946	YOR192C	THI72	THI7 homolog
16	16_2595	793	927	135	3	6677	YPR196W	Uncharacterized	Uncharacterized

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Genome Scan		Second step- filtered loci								
Kruskal Wallis (KW) P value	% of permutations with KW p-value<original KW p-value [$<5\%$]	x0y.z x=2 - under, 0, x=1 - over; hom1=hom2; y and z - two 1, signif. alleles hom1≠hom2		KS P_value of het vs. hom1	KS P_value of het vs. hom2	2	3	4	6	8
0.00737678	1.1	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.00048748	0	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.00864222	1	201.2	1	0.00451833	0.00481293	1	1	1	2	1
0.00864222	1	201.2	1	0.00451833	0.00481293	1	1	1	2	1
0.00864222	1	201.2	1	0.00451833	0.00481293	1	1	1	2	1
0.00864222	1	201.2	1	0.00451833	0.00481293	1	1	1	2	1
0.00864222	1	201.2	1	0.00451833	0.00481293	1	1	1	2	1
0.00864222	1	201.2	1	0.00451833	0.00481293	1	1	1	2	1
0.00864222	1	201.2	1	0.00451833	0.00481293	1	1	1	2	1
0.00864222	1	201.2	1	0.00451833	0.00481293	1	1	1	2	1
0.00737678	1.1	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.01941856	0.6	201.3	0	0.04732212	0.0256916	1	4	4	4	1
5.0436E-05	0	201.3	0	0.00133771	0.0179183	3	1	1	2	3
0.00034471	0.1	201.3	0	0.00049028	0.01661481	1	1	1	2	1
0.00034471	0.1	201.3	0	0.00049028	0.01661481	1	1	1	2	1
0.00034471	0.1	201.3	0	0.00049028	0.01661481	1	1	1	2	1
0.00034471	0.1	201.3	0	0.00049028	0.01661481	1	1	1	2	1
0.00094289	0	201.3	0	0.00208102	0.03968219	1	1	1	2	1
0.04406778	4	201.3	0	0.00025384	0.03968219	1	1	1	1	1
0.03942609	4.4	201.3	0	0.01980245	0.01622446	1	3	3	3	1
0.03942609	4.4	201.3	0	0.01980245	0.01622446	1	3	3	3	1

0.03942609	4.4	201.3	0	0.01980245	0.01622446	1	3	3	3	1
0.03942609	4.4	201.3	0	0.01980245	0.01622446	1	3	3	3	1
0.03021366	2	202.3	0	0.00081921	0.03267248	2	2	2	2	2
0.07346421	4.9	202.4	0	0.0256916	0.01048999	4	3	3	1	4
0.00501856	0	202.4	0	0.0160475	0.0149737	2	4	4	1	2
0.0658707	3.5	203.4	0	0.00056056	0.0187815	3	2	2	3	3
0.05102154	4.2	203.4	0	0.0256916	0.01048999	4	2	2	2	4
0.0032345	0	203.4	0	0.02250651	0.0186649	3	3	3	2	1
0.03637642	2.2	201.2	0	0.00806642	0.02192668	2	3	3	1	2
0.00059277	0	201.2	1	0.00120946	0.03305443	2	3	3	3	2
0.00446477	0.4	201.2	0	0.00806642	0.02192668	2	3	3	1	2
0.0140941	2	201.2	1	0.01350712	0.00311383	1	1	1	2	1
0.00048748	0.1	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.00048748	0.1	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.00737678	0.3	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.00737678	0.3	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.003855	0.3	201.2	1	0.00043075	0.01429015	2	3	3	1	2
0.03637642	2.2	201.2	0	0.00806642	0.02192668	2	4	4	1	2
0.00048748	0.1	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.00048748	0.1	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.00048748	0.1	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.03637642	2.2	201.2	0	0.00806642	0.02192668	2	3	3	1	2
0.03637642	2.2	201.2	0	0.00806642	0.02192668	2	4	4	1	2
0.00048748	0.1	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.01605206	0.7	201.2	1	0.02957193	0.00118145	1	5	5	2	1
0.003855	0.3	201.3	1	0.00043075	0.01429015	3	2	2	1	3
0.02961244	2.1	201.3	0	0.00202376	0.00112657	1	2	2	3	1
0.00639503	0.4	201.3	1	0.01730863	0.00203576	1	4	4	3	1

0.04042031	3.5	201.3	1	0.0160475	0.00839325	1	4	4	3	1
0.00175675	0	201.3	0	0.00024646	0.00462795	1	4	4	2	1
0.03637642	2.2	201.3	0	0.00806642	0.02192668	3	4	4	1	3
0.003855	0.3	201.3	1	0.00043075	0.01429015	3	2	2	1	3
0.003855	0.3	201.3	1	0.00043075	0.01429015	3	2	2	1	3
0.02106203	1.8	201.3	0	0.00117367	0.01283858	1	2	2	2	1
0.00153982	0	201.3	0	0.00700632	0.02736283	3	1	1	2	3
0.00047741	0	201.3	0	0.01278658	0.03227992	3	1	1	2	3
0.03637642	2.2	201.3	0	0.00806642	0.02192668	3	4	4	1	3
0.003855	0.3	201.3	1	0.00043075	0.01429015	3	2	2	1	3
0.03818994	3.2	201.4	0	0.02471507	0.03342656	4	3	3	2	4
0.00153982	0	201.4	0	0.00700632	0.02736283	4	1	1	3	4
0.00544479	0.1	202.3	1	0.0057549	0.03227992	3	2	2	2	3
0.0005817	0	202.3	0	0.01384411	0.03648429	3	2	2	4	2
0.00544479	0.1	202.3	1	0.03227992	0.0057549	2	3	3	3	2
0.00090363	0	202.3	1	0.00034538	0.0179183	3	2	2	2	3
0.00544479	0.1	202.3	1	0.0057549	0.03227992	3	2	2	2	3
0.0014505	0	202.3	0	0.01234544	0.01065258	3	2	2	4	3
0.00090363	0	202.3	1	0.00034538	0.0179183	3	2	2	2	3
0.00501856	0.1	202.3	0	0.0149737	0.0160475	3	2	2	1	3
0.00647172	0.4	202.3	0	0.01282396	0.02052839	2	1	1	1	2
0.00890884	0.6	202.3	1	0.03305443	0.00040459	2	4	4	3	2
0.00171436	0.3	202.3	1	0.00040459	0.03305443	3	1	1	2	3
0.00105069	0	202.3	0	0.00264213	0.00716659	3	2	2	1	3
0.00040665	0.1	202.3	0	0.04260586	0.00085338	3	1	1	1	3
0.02602196	2.1	202.3	0	0.01076813	0.00323167	3	1	1	4	4
0.00501856	0.1	202.3	0	0.0149737	0.0160475	3	2	2	1	3
0.00040665	0.1	202.3	0	0.04260586	0.00085338	3	1	1	1	3

0.00283959	0.1	202.3	0	0.01076813	0.03114277	1	1	1	1	2
0.00033061	0	202.3	0	0.01234544	0.01065258	3	2	2	1	3
0.00033061	0	202.3	0	0.01234544	0.01065258	3	2	2	1	3
0.0017295	0.4	202.4	1	0.00040459	0.03305443	4	1	1	2	4
0.03559027	3	202.4	1	0.03279314	0.00900403	2	3	3	3	2
0.0009397	0	202.4	0	0.02098936	0.02400705	2	3	3	1	2
0.00546574	0.3	202.4	0	0.00657422	0.00441122	4	1	1	1	4
0.00166653	0.1	202.4	0	0.04260586	0.00085338	4	3	3	1	4
0.0009397	0	203.4	0	0.02400705	0.02098936	4	2	2	1	4
0.03559027	3	203.4	1	0.00900403	0.03279314	4	2	2	2	4
0.00255851	0.1	203.4	0	0.00657422	0.00441122	4	1	1	1	4
0.01399819	0.7	203.4	1	0.02736283	0.00104227	3	4	4	4	3
0.03020538	2.4	201.2	0	0.00135167	0.0038827	2	4	4	3	2
0.00116899	0.2	201.2	0	0.00076578	0.00739178	1	3	3	3	1
0.02387969	2.2	201.2	1	0.03396094	0.01382838	1	3	3	2	1
0.02166905	1.9	201.2	1	0.01604581	0.00453258	1	3	3	2	1
0.02166905	1.9	201.2	1	0.01604581	0.00453258	1	4	4	2	1
0.02387969	2.2	201.2	1	0.03396094	0.01382838	1	3	3	2	1
0.02615215	1.5	201.2	0	0.00356471	0.02034162	1	3	3	4	1
0.01605206	1	201.2	1	0.02957193	0.00118145	1	5	5	2	1
0.00052499	0.1	201.2	0	0.00250877	0.00371959	1	3	3	4	1
0.00875873	1.2	201.3	1	0.01604581	0.00453258	1	4	4	3	1
0.00159581	0	201.3	0	0.00384205	0.00785693	1	1	1	2	1
0.02961244	3	201.3	0	0.00202376	0.00112657	1	2	2	3	1
0.03080768	1.5	201.3	0	0.03305443	0.00535378	1	4	4	3	1
0.02166905	1.9	201.4	1	0.01604581	0.00453258	1	3	3	4	1
0.02166905	1.9	201.4	1	0.01604581	0.00453258	1	2	2	4	1
8.4282E-05	0	201.4	0	0.00208359	0.02471507	1	3	3	2	1

0.00064012	0.1	201.4	0	0.00076578	0.00739178	1	2	2	2	1
0.00099907	0.1	201.4	0	0.00354065	0.01618057	1	4	4	2	1
0.01984868	1.7	201.4	1	0.02167054	0.02102088	1	1	1	4	1
0.03912219	3.2	201.4	1	0.03560356	0.04325132	1	3	3	4	1
0.01985359	1.1	201.5	0	0.00450415	0.00450415	4	5	5	3	4
0.04782755	3.2	202.3	0	0.02098936	0.04226491	2	4	4	2	2
0.02607779	2.2	202.4	1	0.0133506	0.01048999	4	3	3	1	4
0.00031712	0	202.4	1	0.00360605	0.00371959	2	3	3	3	2
7.0254E-05	0	203.4	0	0.03314626	0.00488321	4	2	2	2	4
0.0423238	4.6	201.2	1	0.03915775	0.01754144	1	1	1	2	1
0.003855	0.3	201.2	1	0.00043075	0.01429015	2	3	3	1	2
0.01987042	1.6	201.2	0	9.4705E-05	0.01244252	1	4	4	4	1
0.04840184	4.7	201.2	1	0.0160475	0.00839325	1	3	3	2	1
0.04721142	3.9	201.2	0	0.00867639	0.02842716	1	4	4	3	1
0.003855	0.3	201.2	1	0.00043075	0.01429015	2	3	3	1	2
0.01987042	1.6	201.2	0	9.4705E-05	0.01244252	1	3	3	3	1
0.00048748	0	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.04953205	2.9	201.3	0	0.00256926	0.00092696	1	3	3	3	1
0.02215553	1.8	201.3	0	0.00117367	0.01283858	1	2	2	2	1
0.00072538	0	201.3	0	0.00020582	0.00765594	1	2	1	2	1
0.00310357	0.1	201.3	0	0.00117367	0.01283858	1	4	4	2	1
0.02106203	1.9	201.3	0	0.00117367	0.01283858	1	2	2	2	1
0.02106203	1.9	201.3	0	0.00117367	0.01283858	1	2	2	2	1
0.03287226	4.1	201.3	1	0.00474189	0.04325132	1	2	2	3	1
0.02442353	2.1	201.3	0	0.03262764	0.035062	1	2	2	2	1
0.00831138	0.4	201.3	0	0.00360605	0.02250651	4	2	2	1	3
0.00853165	0.8	201.4	0	0.00924895	0.00208359	1	3	3	4	1
0.01155389	0.7	201.4	0	0.00450415	0.01804064	1	4	4	2	1

0.00084797	0	201.4	1	0.04696367	0.01487994	1	4	4	2	1
0.04042031	3.3	201.4	1	0.0160475	0.00839325	1	3	3	4	1
0.01793845	1.3	202.3	1	0.03279314	0.00900403	2	1	1	1	2
0.0003686	0	202.3	0	0.00424138	0.04475563	2	2	2	1	2
0.00501856	0.1	202.3	0	0.0160475	0.0149737	2	3	3	1	2
0.00563068	0	202.3	1	0.00371628	0.00024646	2	4	4	3	2
0.02287188	3	202.3	0	0.03797368	0.00407853	3	3	3	3	2
0.02287188	3	202.3	0	0.03797368	0.00407853	3	3	3	3	2
4.6188E-05	0	202.3	1	0.00839325	0.00085338	2	4	4	1	2
0.01399819	0.5	202.3	1	0.00104227	0.02736283	3	2	2	2	3
0.00110403	0	202.3	0	0.0002242	0.00704552	2	4	4	4	2
0.01399819	0.5	202.4	1	0.02736283	0.00104227	2	4	4	4	2
0.00549296	0.2	202.4	0	0.01076813	0.03114277	3	1	1	3	2
0.01399819	0.5	202.4	1	0.00104227	0.02736283	4	2	2	2	4
0.07896089	4.9	202.4	0	0.00624783	0.00086161	2	3	3	1	1
0.01399819	0.5	202.4	1	0.00104227	0.02736283	4	2	2	2	4
0.00563068	0	202.4	1	0.00024646	0.00371628	4	3	3	2	4
0.00214055	0	202.4	0	0.0359655	0.03956614	4	4	4	1	4
0.00332769	0.2	203.4	1	0.00085338	0.00839325	4	2	2	1	4
0.01359576	1	203.4	0	0.01804064	0.01300056	3	2	2	1	3
0.00238535	0	203.4	0	0.00657422	0.00441122	4	2	2	2	4
0.0009397	0	203.4	0	0.02098936	0.02400705	3	2	2	1	3
0.00378481	0.2	203.4	0	0.03114277	0.01076813	2	2	2	2	4
0.00072632	0	203.4	1	0.00839325	0.00085338	3	2	2	2	3
0.02584766	1.7	203.4	1	0.00716659	0.014262	3	2	2	4	3
1.9677E-06	0	203.4	0	7.5366E-05	0.0180732	3	2	2	2	3
0.003855	0.4	201.2	1	0.00043075	0.01429015	2	3	3	1	2
0.03675479	1.6	201.2	1	0.04708198	0.03247377	1	1	1	2	1

0.02106203	2	201.3	0	0.00117367	0.01283858	1	2	2	2	1
0.02961244	2.8	201.3	0	0.00202376	0.00112657	1	2	2	3	1
0.01980522	1.6	201.4	0	1.874E-05	0.00657422	1	2	2	2	3
0.02228037	2.2	201.4	1	0.03634577	0.0440441	1	3	3	4	1
0.0013783	0	201.5	0	0.04260586	0.0160475	1	4	4	2	1
0.0264758	2.2	202.3	1	0.01000461	0.0379565	2	4	4	3	2
0.0009397	0.1	202.3	0	0.02400705	0.02098936	3	4	4	1	3
0.00090363	0	202.3	1	0.00034538	0.0179183	3	2	2	2	3
0.03656876	2.4	202.3	1	0.025873	0.00730356	2	2	2	3	2
0.00541686	0.6	202.4	0	0.00441122	0.00657422	2	3	3	3	2
0.00541686	0.6	202.4	0	0.00441122	0.00657422	2	3	3	3	2
0.01583323	1.8	202.4	0	0.03980273	0.00230869	2	4	4	3	2
0.00532933	0.4	201.2	1	0.01730863	0.00203576	1	3	3	2	1
0.00639503	0.5	201.2	1	0.01730863	0.00203576	1	4	4	2	1
0.00493427	0.4	201.2	0	0.01153886	0.00914934	1	2	2	2	1
0.00493427	0.4	201.2	0	0.01153886	0.00914934	1	2	2	2	1
0.00040359	0	201.2	0	0.00307577	0.00392315	1	2	2	2	1
0.02961244	2.5	201.2	0	0.00202376	0.00112657	1	3	3	2	1
0.00817371	0.4	201.3	0	0.01153886	0.00914934	1	3	3	3	1
0.00817371	0.4	201.3	0	0.01153886	0.00914934	1	3	3	3	1
0.00493427	0.4	201.3	0	0.01153886	0.00914934	1	3	3	3	1
0.0005569	0	201.3	0	0.00448537	0.00108179	1	3	3	3	1
0.02424874	1.7	201.4	0	0.01076813	0.03114277	3	3	3	2	3
0.02392547	2.2	201.4	1	0.0160475	0.00839325	1	2	2	4	1
0.00544479	0.7	202.3	1	0.0057549	0.03227992	3	2	2	2	3
0.00546574	0.4	202.3	0	0.00657422	0.00441122	3	1	1	1	3
0.01793845	1.7	202.3	1	0.03279314	0.00900403	2	1	1	1	2
0.03637642	1.8	201.2	0	0.00806642	0.02192668	2	4	4	1	2

0.00639503	0.4	201.2	1	0.01730863	0.00203576	1	4	4	2	1
0.00532933	0.8	201.2	1	0.01730863	0.00203576	1	3	3	2	1
0.02961244	2.7	201.2	0	0.00202376	0.00112657	1	3	3	2	1
0.01100145	0.5	201.2	0	0.00603295	0.02546895	1	2	2	3	1
0.04874454	4.6	201.2	1	0.00384205	0.0326126	1	3	3	2	1
0.003855	0.1	201.2	1	0.00043075	0.01429015	2	3	3	1	2
0.003855	0.1	201.2	1	0.00043075	0.01429015	2	3	3	1	2
0.00048748	0	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.03637642	1.8	201.3	0	0.00806642	0.02192668	3	4	4	1	3
0.05615949	4.5	201.3	0	0.00054895	0.00040459	1	4	4	3	2
0.0520364	4.2	201.3	0	0.02313539	0.01060583	4	2	2	4	1
0.05617757	3.2	201.3	0	0.00135261	0.0027366	1	4	4	1	1
0.02442353	1.4	201.3	0	0.03262764	0.035062	1	2	2	2	1
0.02442353	1.4	201.3	0	0.03262764	0.035062	1	2	2	2	1
0.00278351	0.1	201.3	0	0.0038827	0.00440164	1	2	2	2	1
0.021555	1	201.3	0	0.0038827	0.00440164	1	4	4	2	1
0.00128058	0	201.3	0	9.4705E-05	0.01244252	1	4	4	2	1
0.00765284	0.4	201.3	0	0.00843473	0.02098936	1	3	3	2	1
0.00547453	0.4	201.3	0	0.01076813	0.03114277	4	2	2	2	4
0.00278351	0.1	201.3	0	0.0038827	0.00440164	1	2	2	2	1
0.00728444	0.1	201.3	0	0.00384205	0.00573804	1	3	3	2	1
0.04243861	4.9	201.4	0	0.0468506	0.04732212	1	3	3	2	1
0.01417748	0.9	201.4	0	0.0012466	0.03663794	1	1	3	2	1
0.03845009	3.2	201.4	0	0.03262764	0.035062	1	3	3	2	1
0.01987042	1	201.4	0	9.4705E-05	0.01244252	1	2	2	2	1
0.01378101	0.9	201.4	0	0.02573409	0.00408084	4	2	2	3	4
0.0047191	0.2	201.4	0	0.00213794	0.04469025	1	1	1	2	1
0.02392547	1.6	201.4	1	0.0160475	0.00839325	1	2	2	4	1

0.00385886	0.5	202.3	1	0.014262	0.00716659	3	1	1	2	3
0.00432976	0.1	202.3	1	0.00900403	0.03279314	3	1	1	1	3
0.01399819	0.6	202.3	1	0.02736283	0.00104227	2	3	3	3	2
0.03388386	3.7	202.3	1	0.02532305	0.00388491	2	3	3	2	2
0.01644142	0.6	202.3	0	0.01901057	0.02101905	2	3	3	2	4
0.03388386	3.7	202.3	1	0.02532305	0.00388491	2	3	3	2	2
0.04535379	3	202.3	0	0.02693718	0.00469872	2	3	3	2	2
0.0001778	0	202.3	0	0.00488321	0.03314626	2	4	4	1	2
0.00563068	0.2	202.3	1	0.00024646	0.00371628	3	4	4	2	3
0.00195323	0.2	202.3	0	0.0002242	0.00704552	2	4	4	1	2
0.01399819	0.6	202.3	1	0.00104227	0.02736283	3	2	2	2	3
0.01399819	0.6	202.3	1	0.00104227	0.02736283	3	2	2	2	3
0.00385886	0.5	202.3	1	0.014262	0.00716659	3	1	1	2	3
0.00385886	0.5	202.3	1	0.014262	0.00716659	3	1	1	2	3
0.00090363	0	202.3	1	0.00034538	0.0179183	3	2	2	2	3
0.00705855	0.3	202.4	0	0.0187815	0.00163104	4	4	4	3	4
1.4835E-05	0	202.4	0	0.00020875	0.00135654	2	3	3	1	2
0.00834572	0.4	202.4	1	0.00051561	0.00637876	4	2	2	3	4
0.03698399	4.1	202.4	0	0.0133506	0.01048999	4	1	1	3	4
0.00072632	0	202.4	1	0.00085338	0.00839325	4	3	3	3	4
0.00563068	0.2	202.4	1	0.00024646	0.00371628	4	3	3	2	4
0.00353855	0.2	202.4	0	0.00264213	0.00716659	4	2	2	3	4
4.0062E-06	0	202.4	0	0.0180732	7.5366E-05	4	3	3	1	4
0.03656876	2.3	202.4	1	0.025873	0.00730356	2	2	2	4	2
0.00094782	0	203.4	1	0.03279314	0.00900403	3	2	2	1	3
0.01942124	0.8	203.4	0	0.00657422	0.00441122	4	1	1	2	4
0.00501856	0.1	203.4	0	0.0149737	0.0160475	4	3	3	1	4
0.00028612	0	203.4	0	0.00085338	0.04260586	3	1	1	2	3

0.00309297	0	204.5	0	0.00657422	0.00441122	5	2	2	3	5
0.00737678	0.5	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.00737678	0.5	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.00737678	0.5	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.02961244	2.3	201.2	0	0.00202376	0.00112657	1	3	3	2	1
0.00639503	0.5	201.2	1	0.01730863	0.00203576	1	4	4	2	1
0.05540123	2.1	201.2	0	0.04732212	0.0256916	1	6	6	4	1
0.0172571	0.7	201.2	0	0.0165486	0.01967759	1	2	2	1	4
0.003855	0.1	201.3	1	0.00043075	0.01429015	3	2	2	1	3
0.00081199	0.1	201.3	0	0.03560356	0.0173235	1	2	2	3	1
0.0044261	0.1	201.3	0	0.04708198	0.02161883	1	4	4	2	1
0.00016877	0	201.3	0	0.00062228	0.00657422	1	2	2	2	1
0.02654008	0.3	201.3	0	0.01378713	0.04980751	1	1	1	4	1
0.01087805	1.3	201.3	0	0.00035263	0.03314626	1	2	2	2	2
0.04042031	2.7	201.4	1	0.0160475	0.00839325	1	2	2	4	1
0.01406738	0.1	201.4	0	0.03327781	0.02250651	1	2	2	4	1
0.00228383	0.2	201.4	0	0.01076813	0.03114277	3	3	3	2	3
0.01247859	0.8	202.3	1	0.01048999	0.0133506	2	4	4	4	2
0.01399819	0.7	202.3	1	0.02736283	0.00104227	2	3	3	3	2
0.00231991	0.2	202.3	0	0.00657422	0.00441122	3	1	1	1	3
0.00090363	0	202.3	1	0.00034538	0.0179183	3	2	2	2	3
0.00099901	0	202.3	0	0.01234544	0.01065258	3	2	2	5	3
8.3801E-06	0	202.4	0	0.00488321	0.03314626	2	3	3	3	2
5.4394E-06	0	202.4	0	0.00144853	0.04980751	4	2	2	1	4
3.9566E-06	0	203.4	0	0.00011287	0.04205603	4	3	3	2	4
0.003855	0	201.2	1	0.00043075	0.01429015	2	3	3	1	2
0.00048748	0	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.01476403	0.5	201.2	0	0.00135167	0.00010586	1	4	4	2	3

0.050103	3.4	201.2	1	0.00423244	0.00103965	1	4	4	2	1
0.050103	3.4	201.2	1	0.00423244	0.00103965	1	4	4	2	1
0.00322934	0.3	201.2	0	0.00700632	0.02736283	2	1	1	3	2
5.0436E-05	0	201.3	0	0.00133771	0.0179183	3	1	1	2	3
0.00242676	0	201.3	1	0.00798401	0.00023066	1	2	2	3	1
0.00435348	0.2	201.3	0	0.00191233	0.00453223	1	3	3	4	2
0.00566274	0.1	201.3	0	0.00056056	0.0187815	1	4	4	2	1
0.01987042	1.5	201.3	0	9.4705E-05	0.01244252	1	4	4	4	1
0.021555	1.7	201.4	0	0.0038827	0.00440164	1	3	3	2	1
0.03034162	2.5	201.4	0	0.04732212	0.0256916	1	5	5	2	1
0.00033628	0	201.4	1	0.00408084	0.04260586	4	3	3	2	4
8.4144E-05	0	202.3	0	0.00197021	0.01244252	2	1	1	1	2
0.0005379	0	202.3	1	8.1701E-05	0.02101905	3	4	4	2	3
0.00926415	0.3	202.3	0	0.01283858	0.00064444	3	4	4	1	3
4.6188E-05	0	202.3	1	0.00085338	0.00839325	3	4	4	1	3
0.00233049	0.1	202.3	0	0.0187815	0.00163104	3	3	3	1	3
3.1218E-05	0	202.3	0	0.00488321	0.03314626	2	1	1	1	2
3.1218E-05	0	202.3	0	0.00488321	0.03314626	2	1	1	1	2
0.01399819	0.8	202.4	1	0.00104227	0.02736283	4	2	2	2	4
0.00043021	0	202.4	0	0.01244252	0.00197021	4	3	3	1	4
0.00043021	0	202.4	0	0.00197021	0.01244252	2	3	3	1	2
0.03656876	2.8	202.4	1	0.025873	0.00730356	2	2	2	4	2
0.00114403	0.1	202.4	1	0.00040459	0.03305443	4	3	3	2	4
0.00043296	0.1	202.4	0	0.00441122	0.00657422	2	1	1	5	2
0.00563068	0.2	203.4	1	0.00024646	0.00371628	4	2	2	3	4
0.03772561	3	203.4	1	0.01283858	0.00064444	4	2	2	4	4
0.00135362	0.1	203.4	1	0.00450415	0.00015153	3	2	2	2	3
0.00078476	0	203.4	0	0.0160475	0.0149737	3	4	4	1	3

0.00159133	0	203.4	0	0.00085338	0.04260586	3	2	2	2	3
0.00253072	0	203.4	0	0.035062	0.03880028	4	4	4	1	4
0.00446477	0.3	201.2	0	0.00806642	0.02192668	2	3	3	1	2
0.03637642	3.3	201.2	0	0.00806642	0.02192668	2	4	4	1	2
0.00048748	0	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.03637642	3.3	201.2	0	0.00806642	0.02192668	2	4	4	1	2
0.0234055	2.3	201.2	1	0.02957193	0.00235762	1	3	3	2	1
0.023359	2.5	201.2	0	0.00202731	0.00453258	1	3	3	2	1
0.04371371	3.9	201.3	0	0.0017257	0.02250651	1	2	2	1	1
0.00053938	0	201.3	0	9.4705E-05	0.01244252	1	4	4	2	1
0.021555	1.4	201.3	0	0.0038827	0.00440164	1	4	4	2	1
0.02385463	2.3	201.3	1	0.02546895	0.00424138	1	3	3	3	1
0.00543621	0.6	201.4	1	0.00120946	0.03305443	4	3	3	2	4
0.03637642	3.3	201.4	0	0.00806642	0.02192668	4	2	2	1	4
0.01521893	0.9	201.4	0	0.00027843	0.02034162	1	3	3	3	1
0.0004472	0	201.4	0	0.00050073	0.00110608	1	1	1	3	1
0.00423788	0.1	201.4	0	0.00603295	0.02546895	1	4	4	2	1
0.01695201	1.7	202.3	0	0.00235762	0.00408084	3	4	4	2	3
5.452E-05	0	202.3	0	0.03314626	0.00488321	3	1	1	1	3
0.00118728	0	202.3	0	0.00704552	0.0002242	3	1	1	1	3
0.00118728	0	202.3	0	0.0002242	0.00704552	2	1	1	1	2
0.00051248	0	202.3	0	0.01374279	0.0379565	3	4	4	1	3
0.03072458	3.1	202.3	0	0.00162	0.00135261	3	1	1	3	3
0.03072458	3.1	202.3	0	0.00135261	0.00162	2	1	1	2	2
0.00563068	0.4	202.3	1	0.00371628	0.00024646	2	4	4	3	2
0.00021318	0	202.3	0	0.0165486	0.00260448	2	3	3	1	4
1.372E-06	0	202.4	0	0.0180732	7.5366E-05	4	3	3	1	4
0.01070279	1.2	202.4	0	0.00235762	0.00408084	4	1	1	2	4

0.00020308	0	202.4	0	0.03314626	0.00488321	4	1	1	1	4
0.00211915	0	202.4	0	0.0043715	0.0187815	2	3	3	1	2
0.00135905	0.2	202.4	0	0.02052839	0.01282396	4	1	1	1	4
0.01695201	1.7	202.4	0	0.00235762	0.00408084	4	3	3	2	4
0.01399819	0.3	202.4	1	0.00104227	0.02736283	4	2	2	2	4
0.01675704	1.2	202.4	0	0.00720114	0.02250651	1	1	1	1	2
0.00159133	0.2	203.4	0	0.04260586	0.00085338	4	2	2	2	4
0.03317267	2.5	203.4	1	0.0379565	0.01000461	4	1	1	3	4
0.0001778	0	203.4	0	0.00488321	0.03314626	3	2	2	1	3
0.00963867	0.1	203.4	1	0.0379565	0.01000461	4	2	2	3	4
0.00072632	0	203.4	1	0.00839325	0.00085338	3	2	2	2	3
0.00737678	1	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.02961244	2.2	201.2	0	0.00202376	0.00112657	1	3	3	2	1
0.00737678	1	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.00449869	0.8	201.2	0	9.4705E-05	0.01244252	1	3	3	3	1
0.00737678	1	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.00737678	1	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.00737678	1	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.003855	0.3	201.2	1	0.00043075	0.01429015	2	3	3	1	2
0.00048748	0.2	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.00728444	0.5	201.3	0	0.00384205	0.00573804	1	3	3	2	1
0.00175675	0.1	201.3	0	0.00024646	0.00462795	1	4	4	2	1
0.01740081	1.8	201.3	0	0.00384205	0.00573804	1	3	3	2	1
0.01987042	1.4	201.3	0	9.4705E-05	0.01244252	1	2	2	2	1
0.00228383	0.2	201.4	0	0.01076813	0.03114277	3	3	3	2	3
0.00268856	0.2	201.5	0	0.0017257	0.01283858	1	3	3	5	1
0.02000221	1.8	202.3	1	0.00453223	0.02957193	3	2	4	2	3
0.00430701	0.8	202.3	1	0.00203576	0.0420871	3	2	2	2	3

5.0835E-06	0	202.3	0	0.00036264	0.00453223	3	2	2	1	3
0.05929918	3.7	202.3	0	0.00190359	0.03880028	3	2	2	2	1
0.00332769	0.1	202.3	1	0.00839325	0.00085338	2	4	4	1	2
0.01399819	1.1	202.3	1	0.02736283	0.00104227	2	3	3	3	2
0.00159133	0	202.3	0	0.00085338	0.04260586	2	4	4	4	2
0.01399819	1.1	202.3	1	0.02736283	0.00104227	2	3	3	3	2
0.00040665	0	202.3	0	0.04260586	0.00085338	3	1	1	1	3
0.00544479	0.3	202.3	1	0.0057549	0.03227992	3	2	2	2	3
0.04619552	4.4	202.3	0	0.00658519	0.03663794	2	2	2	1	2
0.00040665	0	202.3	0	0.00085338	0.04260586	2	1	1	1	2
0.00075217	0	202.4	0	0.02400705	0.02098936	4	1	1	3	4
0.00078996	0	202.4	0	0.0149737	0.0160475	4	2	2	3	4
0.0120604	0.8	202.4	1	0.00118145	0.00829273	4	3	3	2	4
0.00346737	0.4	202.4	0	0.01283858	0.00064444	4	3	3	3	4
0.00023846	0	202.4	0	0.01283858	0.00064444	4	1	1	3	4
0.00890884	0.6	202.4	1	0.00040459	0.03305443	4	3	3	2	4
0.00497229	0.4	202.4	1	0.03227992	0.0057549	2	4	4	4	2
0.00118728	0	202.4	0	0.0002242	0.00704552	2	1	1	1	2
0.01747525	1.2	202.4	1	0.02034162	0.0283999	4	3	3	1	4
0.00399482	0.2	202.4	1	0.0283999	0.02034162	2	3	3	3	2
0.00277833	0.1	202.5	0	0.0160475	0.0149737	2	5	5	3	2
0.00351776	0.3	203.4	1	0.00203576	0.0420871	4	3	3	3	4
0.00040219	0	203.4	0	0.00900403	0.00729	3	2	2	1	2
0.00501856	0.1	203.4	0	0.0160475	0.0149737	3	4	4	1	3
0.00411326	0.2	203.4	0	0.0187815	0.0043715	4	2	2	2	4
0.04293787	2.3	203.5	0	0.03431036	0.03279314	5	2	2	2	5
0.01916049	0.8	201.2	0	0.01076813	0.03114277	4	4	4	5	4
0.00793564	0	201.2	0	0.02098936	0.01604581	3	2	2	4	3

0.04161126	3.9	201.2	0	0.01730863	0.00384205	1	3	3	2	1
0.00048748	0.1	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.03637642	2.7	201.2	0	0.00806642	0.02192668	2	4	4	1	2
0.0464903	3.9	201.2	0	0.02573409	0.00829273	1	3	3	1	1
0.02046563	1.9	201.3	0	0.00117367	0.01283858	1	2	2	2	1
0.00474346	0.1	201.6	0	0.00430497	0.02250651	1	4	4	5	1
0.00953691	0.6	202.3	0	0.03114277	0.01076813	1	1	1	1	3
0.03295655	1.9	202.3	0	0.01451828	0.02247225	2	2	2	1	2
0.00065415	0	202.3	1	2.0752E-05	0.00839325	3	1	1	2	4
0.00186431	0.2	202.3	1	0.00200349	0.01013389	3	3	3	2	3
8.4144E-05	0	202.3	0	0.00197021	0.01244252	2	1	1	1	2
0.00411326	0	202.3	0	0.0187815	0.0043715	3	4	4	4	3
0.00110606	0.2	202.3	1	0.01283858	0.0117423	3	1	1	1	3
0.02956811	2.4	202.4	0	0.03279314	0.03431036	1	3	3	1	2
0.0009397	0	202.4	0	0.02400705	0.02098936	4	3	3	1	4
0.00043021	0	202.4	0	0.00197021	0.01244252	2	3	3	1	2
1.7945E-06	0	202.4	0	0.04205603	0.00011287	2	4	4	1	2
0.04374927	3.3	203.4	0	0.00197021	0.02034162	3	2	2	3	3
0.0006557	0	203.4	0	0.02250651	0.03818207	4	2	2	1	4
2.3593E-06	0	203.4	0	0.00415582	0.03431036	3	1	1	1	3
0.00072449	0	203.4	1	0.00141561	0.01604581	4	2	2	3	4
9.4251E-05	0	203.4	1	0.0117423	0.01283858	3	2	2	1	3
0.00601408	0.1	201.2	0	0.00117367	0.01283858	1	3	3	5	1
0.00601408	0.1	201.2	0	0.00117367	0.01283858	1	3	3	5	1
0.00601408	0.1	201.2	0	0.00117367	0.01283858	1	4	4	5	1
0.00297559	0.2	201.2	0	0.00053988	0.03558377	2	4	4	1	3
0.00737678	1.2	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.00737678	1.2	201.2	0	0.01092425	0.00176952	1	2	2	2	1

0.00067129	0.2	201.2	1	0.01449302	6.3759E-05	1	2	1	2	1
0.00067129	0.2	201.2	1	0.01449302	6.3759E-05	1	2	1	2	1
0.00067129	0.2	201.2	1	0.01449302	6.3759E-05	1	2	1	2	1
0.00067129	0.2	201.2	1	0.01449302	6.3759E-05	1	2	1	2	1
0.00067129	0.2	201.2	1	0.01449302	6.3759E-05	1	2	1	2	1
0.00067129	0.2	201.2	1	0.01449302	6.3759E-05	1	2	1	2	1
0.00067129	0.2	201.2	1	0.01449302	6.3759E-05	1	2	1	2	1
0.00112927	0	201.3	0	0.01278658	0.03227992	3	1	1	2	3
0.02772395	2.1	201.3	0	0.00843473	0.02098936	1	3	3	2	1
0.02772395	2.1	201.3	0	0.00843473	0.02098936	1	3	3	2	1
0.0090946	1.2	201.3	0	0.02791181	0.0359655	1	2	1	2	1
2.7657E-05	0	201.3	0	0.00843473	0.01007025	1	2	1	3	1
1.1655E-07	0	201.3	0	3.5669E-05	0.03558377	1	2	2	2	1
0.0003974	0	201.3	0	0.00330371	0.00617069	1	3	3	2	1
0.01080364	0.8	201.3	0	0.02573409	0.00408084	3	2	2	2	3
5.0436E-05	0	201.3	0	0.00133771	0.0179183	3	1	1	2	3
0.00153982	0.1	201.3	0	0.00700632	0.02736283	3	1	1	2	3
0.00322934	0.3	201.3	0	0.00700632	0.02736283	3	1	1	2	3
0.02518609	1.3	201.4	0	0.00042372	0.02842716	1	1	1	2	1
0.00823017	0.7	201.4	0	0.03262764	0.035062	1	2	2	2	1
0.05346083	4.2	201.4	0	0.01076813	0.03114277	2	3	3	3	1
0.01941856	2	201.4	0	0.04732212	0.0256916	1	3	3	3	1
0.00114737	0	201.4	0	0.0160475	0.0149737	1	3	2	4	1
0.04645853	4.4	201.4	0	0.0468506	0.04732212	1	3	1	4	2
0.0001461	0	201.4	0	0.03529279	0.02247225	1	4	1	3	1
0.03637642	2.3	201.4	0	0.00806642	0.02192668	4	2	2	1	4
7.3482E-05	0	201.5	1	0.00053988	0.00265734	1	3	1	4	1
0.02007069	1.9	202.3	0	0.02957193	0.04260586	3	1	1	2	3

0.00255244	0.4	202.3	0	0.00230869	0.03980273	3	2	2	1	3
0.00304536	0.3	202.3	1	0.00054895	0.02913818	3	4	4	2	3
0.03388386	3.2	202.3	1	0.02532305	0.00388491	2	3	3	2	2
1.0133E-05	0	202.3	0	0.00082191	0.01060446	3	4	4	1	3
0.01583323	1.2	202.3	0	0.00230869	0.03980273	3	2	2	4	3
0.00255244	0.4	202.3	0	0.03980273	0.00230869	2	3	3	1	2
0.00860199	0.1	202.3	0	0.01234544	0.00637876	3	2	2	3	3
0.01637698	1.1	202.4	1	0.03342656	0.00450415	2	1	1	4	2
1.8547E-07	0	202.4	0	0.000231	0.02052839	2	3	3	1	2
0.00047162	0.1	202.4	0	0.03980273	0.00230869	2	4	4	1	2
0.03402818	3.1	202.4	0	0.02957193	0.04260586	4	3	3	2	4
1.6082E-06	0	202.4	0	7.5366E-05	0.0180732	2	1	1	1	2
0.0026843	0.2	203.4	0	0.03077972	0.03929321	2	2	2	1	4
0.00022207	0	203.4	0	0.01076813	0.03114277	2	2	2	1	3
0.00281514	0.2	201.2	1	0.00227312	0.04426991	3	2	2	4	3
0.03617921	2.8	201.2	0	0.03305443	0.01050536	2	2	2	2	4
0.00439228	0.7	201.2	0	0.00700632	0.01297798	1	3	3	3	1
0.00167936	0	201.3	0	0.00210306	0.01212882	1	4	4	2	1
0.00808335	1	201.3	0	0.00356471	0.02034162	1	2	2	2	1
0.00543621	0.5	201.4	1	0.00120946	0.03305443	4	2	2	3	4
0.00624515	0.4	202.3	0	0.0117423	0.01283858	2	2	2	1	2
0.00211282	0	202.3	0	0.00323167	0.00323167	1	4	4	4	2
0.03110461	2.7	202.3	0	0.00280184	0.00298288	2	2	2	2	2
0.00015117	0	202.4	1	0.00440164	0.01973371	4	3	3	1	4
0.00301779	0.3	201.2	0	0.00024646	0.00462795	1	3	3	3	1
0.02385463	1.1	201.2	1	0.02546895	0.00424138	1	2	2	2	1
0.03637642	1.9	201.2	0	0.00806642	0.02192668	2	3	3	1	2
0.03637642	1.9	201.2	0	0.00806642	0.02192668	2	3	3	1	2

0.00048748	0	201.2	1	0.00034041	0.0406307	2	1	1	1	2
0.0136114	0.6	201.2	0	0.00022745	0.04963496	2	1	1	1	4
0.03637642	1.9	201.2	0	0.00806642	0.02192668	2	4	4	1	2
0.05423187	4.1	201.2	1	0.00381491	0.02474852	3	2	2	2	2
0.03637642	1.9	201.2	0	0.00806642	0.02192668	2	4	4	1	2
0.00550807	0.7	201.2	0	0.03935036	0.00648078	1	2	2	1	1
0.00550807	0.7	201.2	0	0.03935036	0.00648078	1	2	2	1	1
0.02403685	1.4	201.2	0	0.01730863	0.00700632	1	2	2	1	1
0.04066367	2.8	201.2	0	0.01730863	0.00700632	1	2	2	1	1
0.02403685	1.4	201.2	0	0.01730863	0.00700632	1	2	2	1	1
0.03637642	1.9	201.2	0	0.00806642	0.02192668	2	3	3	1	2
0.00532933	0.4	201.2	1	0.01730863	0.00203576	1	3	3	2	1
0.00131507	0	201.2	0	0.00867639	0.02842716	1	5	5	4	1
0.04815226	2.8	201.2	0	0.00843473	0.02098936	1	2	2	3	1
0.04042031	3.2	201.2	1	0.0160475	0.00839325	1	3	3	2	1
0.00532933	0.4	201.2	1	0.01730863	0.00203576	1	3	3	2	1
0.00528292	0.2	201.3	0	0.00049612	0.02563232	1	1	1	2	1
5.0436E-05	0	201.3	0	0.00133771	0.0179183	3	1	1	2	3
0.00021853	0	201.3	0	0.02098936	0.00843473	1	3	3	2	1
0.00139573	0	201.3	0	0.00426489	0.00076578	1	3	3	2	1
0.01503001	0.9	201.3	0	0.04475563	0.02546895	1	3	3	1	1
0.01503001	0.9	201.3	0	0.04475563	0.02546895	1	3	3	1	1
0.02403685	1.4	201.3	0	0.01730863	0.00700632	1	3	3	1	1
0.02403685	1.4	201.3	0	0.01730863	0.00700632	1	3	3	1	1
0.02531774	2.2	201.3	0	0.0179183	0.00340024	1	3	3	1	1
0.03677579	2.7	201.3	0	0.02471507	0.03342656	3	2	2	4	3
0.04042031	3.2	201.3	1	0.0160475	0.00839325	1	4	4	3	1
0.00397192	0.2	201.3	0	0.00062228	0.00306776	1	4	4	2	1

0.00091743	0	201.4	0	0.02471507	0.03342656	4	3	3	2	4
0.00812149	0.3	201.4	0	0.04732212	0.0256916	1	3	3	2	1
0.00563068	0.2	202.3	1	0.00371628	0.00024646	2	4	4	3	2
0.03978492	2.9	202.3	0	0.03431036	0.03279314	1	1	1	1	3
0.00090363	0	202.3	1	0.00034538	0.0179183	3	2	2	2	3
0.02737132	2	202.3	0	0.01153886	0.00348392	1	3	3	1	2
0.02737132	2	202.3	0	0.01153886	0.00348392	1	3	3	1	2
0.03106985	1.8	202.3	0	0.01076813	0.03114277	1	4	4	1	2
0.04249075	3.6	202.3	0	0.02643354	0.02913818	1	3	3	1	2
1.3963E-05	0	202.3	0	0.00700632	0.00637876	3	2	2	1	3
2.9253E-07	0	202.3	0	0.0180732	7.5366E-05	3	1	1	1	3
0.00499798	0.3	202.3	0	0.00235762	0.00408084	3	4	4	2	3
0.01125793	0.6	202.3	1	0.03342656	0.00450415	2	4	4	3	2
0.00546574	0.2	202.3	0	0.00441122	0.00657422	2	1	1	1	2
5.452E-05	0	202.3	0	0.00488321	0.03314626	2	1	1	1	2
0.00037377	0	202.4	0	0.00039301	0.04980751	4	3	3	1	4
0.00043704	0	202.4	0	0.00700632	0.01065258	4	2	2	1	4
0.0150969	0.9	202.4	0	0.01076813	0.03114277	3	1	1	1	2
0.06763555	4.2	202.4	0	0.00384205	0.00462795	2	5	2	2	2
5.6841E-05	0	202.4	0	0.00488321	0.03314626	2	1	1	1	2
0.00040033	0	203.4	0	0.00031865	0.00400091	4	3	3	2	1
5.6841E-05	0	203.4	0	0.00488321	0.03314626	3	1	1	1	3
0.02961244	2.1	201.2	0	0.00202376	0.00112657	1	3	3	2	1
0.01100145	0.6	201.2	0	0.00603295	0.02546895	1	2	2	3	1
0.02936715	2.6	201.2	0	9.4705E-05	0.01244252	1	4	4	3	1
0.00737678	1.2	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.02961244	2.1	201.2	0	0.00202376	0.00112657	1	3	3	2	1
0.00737678	1.2	201.2	0	0.01092425	0.00176952	1	2	2	2	1

0.04042031	3.8	201.2	1	0.0160475	0.00839325	1	3	3	2	1
0.00532933	0.8	201.2	1	0.01730863	0.00203576	1	3	3	2	1
0.00737678	1.2	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.00737678	1.2	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.04874454	4.9	201.2	1	0.00384205	0.0326126	1	3	3	2	1
0.0423238	5	201.2	1	0.03915775	0.01754144	1	1	1	2	1
0.05002211	4.2	201.2	0	0.04104142	0.01604581	3	5	5	2	1
0.02961244	2.1	201.2	0	0.00202376	0.00112657	1	3	3	2	1
0.02961244	2.1	201.2	0	0.00202376	0.00112657	1	3	3	2	1
0.04874454	4.9	201.2	1	0.00384205	0.0326126	1	3	3	2	1
0.04874454	4.9	201.2	1	0.00384205	0.0326126	1	3	3	2	1
0.01987042	1.4	201.2	0	9.4705E-05	0.01244252	1	4	4	4	1
0.01463149	0.4	201.2	0	9.4705E-05	0.01244252	1	3	3	5	1
0.001447	0	201.2	0	0.01888475	0.00040943	1	3	3	2	1
0.01988175	1.1	201.2	0	0.0003225	0.00075124	1	3	3	1	1
0.00087335	0	201.2	0	0.00118145	0.00036264	1	3	3	4	1
0.00737678	1.2	201.2	0	0.01092425	0.00176952	1	2	2	2	1
0.01886766	1	201.2	0	0.0165486	0.00202731	1	3	3	2	1
5.0436E-05	0	201.3	0	0.00133771	0.0179183	3	1	1	2	3
0.02758618	0.8	201.3	0	0.00162263	0.00450397	2	3	3	2	2
0.0003974	0.1	201.3	0	0.00330371	0.00617069	1	3	3	2	1
0.03287226	2.6	201.3	1	0.00474189	0.04325132	1	2	2	3	1
0.04351728	3.6	201.3	0	0.01730863	0.00384205	1	4	4	3	1
0.01100145	0.6	201.3	0	0.00603295	0.02546895	1	3	3	2	1
0.00094289	0.1	201.3	0	0.00208102	0.03968219	1	1	1	2	1
0.02961244	2.1	201.3	0	0.00202376	0.00112657	1	2	2	3	1
0.00845102	0.7	201.3	1	0.00502799	0.00832462	1	3	3	3	2
0.00278351	0.3	201.3	0	0.0038827	0.00440164	1	2	2	2	1

0.00278351	0.3	201.3	0	0.0038827	0.00440164	1	2	2	2	1
0.00170575	0.1	201.3	0	0.0165486	0.00202731	1	2	2	3	1
0.06067665	4.8	201.3	0	0.02736283	0.03457878	1	3	3	4	1
0.00278933	0.2	201.3	0	0.00172039	0.00657422	1	2	2	2	1
0.00449869	0.5	201.3	0	9.4705E-05	0.01244252	1	2	2	2	1
0.01106346	0.4	201.4	0	0.00015864	0.03431036	2	3	3	2	1
0.00786998	0.2	202.3	1	0.02573409	0.00408084	2	4	4	2	2
0.00501856	0.1	202.3	0	0.0149737	0.0160475	3	2	2	1	3
0.00090363	0.1	202.3	1	0.00034538	0.0179183	3	2	2	2	3
8.2475E-05	0	202.3	0	0.00235119	0.01048999	1	1	1	1	2
0.00090363	0.1	202.3	1	0.00034538	0.0179183	3	2	2	2	3
0.03362083	3.3	202.3	0	0.0201402	0.02842716	1	2	2	1	2
0.02275488	2.2	202.3	0	0.04825017	0.04593349	3	2	2	3	3
4.9571E-05	0	202.3	0	0.00139537	0.00580086	3	2	2	1	3
0.01191845	1.4	202.3	0	0.0133506	0.01048999	3	4	4	1	3
0.04156309	3.2	202.4	1	0.03342656	0.00450415	2	5	5	4	2
0.02581656	1.5	202.4	0	0.01492079	0.01490651	4	1	1	2	1
0.00563246	0.6	202.4	0	0.02098936	0.02400705	2	3	3	3	2
0.03656876	3.5	202.4	1	0.00730356	0.025873	4	4	4	2	4
0.00157851	0	203.4	0	0.04260586	0.00085338	4	1	1	2	4
0.00720993	1	203.4	1	0.03305443	0.00092696	3	2	2	4	3
0.0050296	0.3	102.3	0	0.00049612	0.04963496	2	3	3	4	2
9.7186E-05	0	102.3	0	0.04857553	0.00088862	3	2	2	1	3
0.043928	4.7	102.3	0	0.01669245	0.04769695	2	3	3	2	2
0.01626974	1	102.3	1	0.04260586	0.02957193	3	3	3	1	3
0.00413162	0.1	103.4	0	0.03077972	0.01839033	2	3	3	3	2
0.00278438	0.2	101.4	0	0.00022745	0.04963496	1	4	4	3	1
0.00067688	0	102.4	0	0.04963496	0.00104175	4	2	2	1	4

0.00202743	0.1	101.2	0	0.04732212	0.0256916	3	2	2	2	3
0.00202743	0.1	101.2	0	0.04732212	0.0256916	3	2	2	2	3
6.6445E-05	0	102.3	0	0.03314626	0.00488321	4	1	1	2	4
0.043928	3.7	102.3	0	0.01669245	0.04769695	2	3	3	2	2
0.043928	3.7	102.3	0	0.01669245	0.04769695	2	3	3	2	2
0.043928	3.7	102.3	0	0.01669245	0.04769695	2	3	3	2	2
0.04312193	3.9	101.3	0	0.03997691	0.03314626	1	3	3	2	4
9.7186E-05	0	102.3	0	0.00088862	0.04857553	2	3	3	1	2
0.01273835	1.4	101.3	0	0.00057675	0.04857553	1	3	3	2	1
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Draft

Allele number in founder lines (FLs; see YDF# for their numbering at Table S1)										
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Draft

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-0.144375	-0.1415547	-0.1433777	-0.1324945	-0.2083145	-0.1415547	0.04107794	-0.1118657	-0.1265095	-0.1536875	0.01925448
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2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	4.3
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	3.1
4.3	4.3	4.4	3.1	4.1	4.1	3.3	4.3	4.3	3.1	3.2
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	3.1
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.2
4.1	4.1	1.1	4.3	3.1	3.1	4.4	4.1	4.1	4.3	4.2
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	2.2	4.3	4.2	4.2	3.2	2.2	2.2	4.2	2.2
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	3.2
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	2.2	4.3	4.2	4.2	3.3	3.2	3.2	4.3	3.2
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	4.3
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	3.2
4.2	4.2	4.4	3.2	4.3	4.3	2.2	4.2	4.2	3.2	3.2
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	3.2
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	4.3
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	3.2
3.1	3.1	1.1	4.3	4.1	4.1	4.3	4.1	4.1	4.4	4.1
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	4.3
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	3.2

1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	3.2
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	3.2
4.1	4.1	1.1	4.2	2.1	2.1	4.4	4.1	4.1	4.2	4.2
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	4.2
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	4.2
4.1	4.1	1.1	4.1	1.1	1.1	4.4	4.1	4.1	4.1	4.3
4.3	4.3	3.3	4.1	3.1	3.1	4.4	4.3	4.3	4.1	4.2
4.2	4.2	2.2	4.1	2.1	2.1	4.4	4.2	4.2	4.1	4.3
4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.2	4.2	4.2	4.3
4.1	4.1	1.1	4.1	1.1	1.1	4.4	4.1	4.1	4.1	4.2
4.3	4.3	4.4	4.3	4.4	4.4	3.3	4.3	4.3	4.3	3.2
4.2	4.2	4.4	3.2	4.3	4.3	2.2	4.2	4.2	3.2	3.2
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	1.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	1.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	1.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	1.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	1.1
3.1	3.1	3.3	4.1	4.3	4.3	1.1	3.1	3.1	4.1	1.1
5.1	5.1	5.5	2.1	5.2	5.2	1.1	5.1	5.1	2.1	4.1
3.1	3.1	3.3	4.1	4.3	4.3	1.1	3.1	3.1	4.1	1.1
4.1	4.1	4.4	3.1	4.3	4.3	1.1	4.1	4.1	3.1	1.1
1.1	1.1	1.1	2.1	2.1	2.1	1.1	1.1	1.1	2.1	3.1
2.1	2.1	2.2	3.1	3.2	3.2	1.1	2.1	2.1	3.1	3.1
4.1	4.1	4.4	3.1	4.3	4.3	1.1	4.1	4.1	3.1	2.1
3.1	3.1	3.3	4.1	4.3	4.3	1.1	3.1	3.1	4.1	1.1
2.1	2.1	2.2	4.1	4.2	4.2	1.1	2.1	2.1	4.1	1.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	4.1

2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	1.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	4.1
1.1	1.1	1.1	4.1	4.1	4.1	1.1	1.1	1.1	4.1	1.1
3.1	3.1	3.3	4.1	4.3	4.3	1.1	3.1	3.1	4.1	1.1
5.4	5.4	5.5	4.3	5.3	5.3	4.4	5.4	5.4	4.3	4.1
4.2	4.2	4.4	2.2	4.2	4.2	2.2	4.2	4.2	2.2	3.2
4.3	4.3	3.3	4.1	3.1	3.1	4.4	4.3	4.3	4.1	4.3
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	2.2
4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.2	4.2	4.2	4.1
1.1	1.1	1.1	2.1	2.1	2.1	1.1	1.1	1.1	2.1	1.1
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.1
4.1	4.1	4.4	4.1	4.4	4.4	1.1	4.1	4.1	4.1	3.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	3.1
4.1	4.1	4.4	3.1	4.3	4.3	1.1	4.1	4.1	3.1	1.1
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.1
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	4.1
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	2.1
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	4.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	4.1
2.1	1.1	2.1	2.1	2.2	2.1	1.1	2.1	1.1	2.1	4.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	5.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.2	3.1	3.2	3.2	1.1	2.1	2.1	3.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	3.1
4.2	4.2	2.2	4.1	2.1	2.1	4.3	3.2	3.2	3.1	3.2
3.1	3.1	3.3	4.1	4.3	4.3	1.1	3.1	3.1	4.1	3.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	2.1

4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	4.1
3.1	3.1	3.3	4.1	4.3	4.3	1.1	3.1	3.1	4.1	2.1
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	3.2
2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.1	3.2
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	4.2
4.2	4.2	4.4	3.2	4.3	4.3	2.2	4.2	4.2	3.2	3.2
3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2
3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2
4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	3.2
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	4.3
4.2	4.2	4.4	4.2	4.4	4.4	2.2	4.2	4.2	4.2	4.2
4.2	4.2	4.4	4.2	4.4	4.4	2.2	4.2	4.2	4.2	3.2
3.1	3.1	1.1	3.3	3.1	3.1	3.2	2.1	2.1	3.2	2.1
4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.2	4.2	4.2	4.3
3.2	3.2	3.3	2.1	3.1	3.1	2.1	3.1	3.1	1.1	4.1
4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.2	4.2	4.2	4.3
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.2
4.4	4.4	4.4	4.1	4.1	4.1	4.4	4.4	4.4	4.1	4.2
4.2	4.2	2.2	4.1	2.1	2.1	4.4	4.2	4.2	4.1	4.3
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	3.1
4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.2	4.2	4.2	4.1
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	4.3
2.2	2.2	2.2	2.2	2.2	2.2	4.2	4.2	4.2	4.2	4.2
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	4.3
3.2	3.2	2.2	4.3	4.2	4.2	3.3	3.2	3.2	4.3	4.3
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.1
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.1
1.1	1.1	1.1	2.1	2.1	2.1	1.1	1.1	1.1	2.1	3.1

2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.2	3.1	3.2	3.2	1.1	2.1	2.1	3.1	3.1
2.1	2.1	2.2	2.1	2.2	2.2	3.1	3.2	3.2	3.2	3.2
3.1	3.1	3.3	4.1	4.3	4.3	1.1	3.1	3.1	4.1	4.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	5.1
4.2	4.2	4.4	3.2	4.3	4.3	2.2	4.2	4.2	3.2	4.2
4.3	4.3	4.4	3.1	4.1	4.1	3.3	4.3	4.3	3.1	3.2
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.2
2.2	2.2	2.2	3.2	3.2	3.2	2.2	2.2	2.2	3.2	4.2
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	3.2
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	3.2
4.2	4.2	4.4	3.2	4.3	4.3	2.2	4.2	4.2	3.2	4.2
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	3.1
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	3.1
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	3.1
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	3.1
3.3	3.3	3.3	3.2	3.2	3.2	3.3	3.3	3.3	3.2	3.2
2.1	2.1	2.2	4.1	4.2	4.2	1.1	2.1	2.1	4.1	2.1
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.2
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	4.3
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	3.2
4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	3.2

4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	2.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
2.1	2.1	2.2	3.1	3.2	3.2	1.1	2.1	2.1	3.1	2.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.1
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.1
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	2.1
4.3	4.3	4.4	3.1	4.1	4.1	3.3	4.3	4.3	3.1	3.2
4.1	4.1	4.4	3.1	4.3	4.3	2.1	4.2	4.2	3.2	3.2
4.2	4.2	2.2	4.4	4.2	4.2	4.1	2.1	2.1	4.1	1.1
4.1	4.1	4.4	1.1	4.1	4.1	1.1	4.1	4.1	1.1	1.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	3.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	3.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	3.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	3.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	4.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	4.1
4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.2	4.2	4.2	4.2
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	3.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	4.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	4.1
1.1	3.1	3.1	2.1	2.1	3.2	1.1	1.1	3.1	2.1	1.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	4.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	3.1
4.2	4.2	2.2	4.3	3.2	3.2	4.4	4.2	4.2	4.3	4.3
1.1	1.1	1.1	2.1	2.1	2.1	1.1	1.1	1.1	2.1	1.1
2.1	2.1	2.2	4.1	4.2	4.2	1.1	2.1	2.1	4.1	2.1

3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	3.2
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	3.2
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	4.2
3.2	3.2	3.3	2.2	3.2	3.2	2.2	3.2	3.2	2.2	2.2
3.2	3.2	3.3	2.2	3.2	3.2	4.2	4.3	4.3	4.2	4.4
3.2	3.2	3.3	2.2	3.2	3.2	2.2	3.2	3.2	2.2	2.2
3.2	3.2	3.3	2.2	3.2	3.2	2.2	3.2	3.2	2.2	3.2
4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	2.1
4.3	4.3	4.4	3.2	4.2	4.2	3.3	4.3	4.3	3.2	3.2
4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	2.1
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	4.3
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	4.3
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	3.2
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	3.2
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.2
4.4	4.4	4.4	4.3	4.3	4.3	4.4	4.4	4.4	4.3	4.3
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.1
4.2	4.2	2.2	4.3	3.2	3.2	4.4	4.2	4.2	4.3	4.3
4.1	4.1	1.1	4.3	3.1	3.1	4.4	4.1	4.1	4.3	4.3
4.3	4.3	3.3	4.3	3.3	3.3	4.4	4.3	4.3	4.3	4.2
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.2
4.2	4.2	2.2	4.3	3.2	3.2	4.4	4.2	4.2	4.3	4.3
4.3	4.3	3.3	4.1	3.1	3.1	4.4	4.3	4.3	4.1	4.1
2.2	2.2	2.2	4.2	4.2	4.2	2.2	2.2	2.2	4.2	3.2
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	4.3
4.1	4.1	1.1	4.2	2.1	2.1	4.4	4.1	4.1	4.2	4.2
4.3	4.3	3.3	4.1	3.1	3.1	4.4	4.3	4.3	4.1	4.2
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	4.3

5.2	5.2	2.2	5.3	3.2	3.2	5.5	5.2	5.2	5.3	5.2
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	2.1
6.1	6.1	6.6	4.1	6.4	6.4	1.1	6.1	6.1	4.1	5.1
2.1	2.1	2.2	1.1	2.1	2.1	4.1	4.2	4.2	4.1	4.3
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	3.1
2.1	2.1	2.2	3.1	3.2	3.2	1.1	2.1	2.1	3.1	2.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	1.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
1.1	1.1	1.1	4.1	4.1	4.1	1.1	1.1	1.1	4.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	2.1	2.2	2.2	2.2	2.2
2.1	2.1	2.2	4.1	4.2	4.2	1.1	2.1	2.1	4.1	3.1
2.1	2.1	2.2	4.1	4.2	4.2	1.1	2.1	2.1	4.1	3.1
3.3	3.3	3.3	3.2	3.2	3.2	3.3	3.3	3.3	3.2	3.3
4.2	4.2	4.4	4.2	4.4	4.4	2.2	4.2	4.2	4.2	4.2
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	4.2
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	3.1
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	2.2	5.3	5.2	5.2	3.3	3.2	3.2	5.3	3.2
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	3.2
4.2	4.2	2.2	4.1	2.1	2.1	4.4	4.2	4.2	4.1	4.2
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.3
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.1
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	2.1
4.1	4.1	4.4	2.1	4.2	4.2	3.1	4.3	4.3	3.2	3.1

4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	3.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	3.1
2.1	2.1	1.1	3.2	3.1	3.1	2.2	2.1	2.1	3.2	3.2
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	3.1
2.1	2.1	2.2	3.1	3.2	3.2	1.1	2.1	2.1	3.1	1.1
3.1	3.1	3.3	4.1	4.3	4.3	2.1	3.2	3.2	4.2	2.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	1.1
4.1	4.1	4.4	4.1	4.4	4.4	1.1	4.1	4.1	4.1	2.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	4.1
5.1	5.1	5.5	2.1	5.2	5.2	1.1	5.1	5.1	2.1	3.1
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.1
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	2.2
4.3	4.3	4.4	3.2	4.2	4.2	3.3	4.3	4.3	3.2	3.3
4.3	4.3	4.4	3.1	4.1	4.1	3.3	4.3	4.3	3.1	3.1
4.3	4.3	4.4	3.1	4.1	4.1	3.3	4.3	4.3	3.1	3.2
3.3	3.3	3.3	3.1	3.1	3.1	3.3	3.3	3.3	3.1	4.3
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	4.2
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	4.2
4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.2	4.2	4.2	4.3
4.3	4.3	3.3	4.1	3.1	3.1	4.4	4.3	4.3	4.1	4.4
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.2
2.2	2.2	2.2	4.2	4.2	4.2	2.2	2.2	2.2	4.2	3.2
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.2
2.1	2.1	1.1	5.2	5.1	5.1	2.2	2.1	2.1	5.2	2.1
4.2	4.2	2.2	4.3	3.2	3.2	4.4	4.2	4.2	4.3	4.3
4.2	4.2	2.2	4.4	4.2	4.2	4.4	4.2	4.2	4.4	4.1
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.1
4.3	4.3	4.4	3.1	4.1	4.1	3.3	4.3	4.3	3.1	3.2

3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	4.3
4.4	4.4	4.4	4.1	4.1	4.1	4.4	4.4	4.4	4.1	4.3
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	3.2
4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	3.2
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	2.1
4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	3.2
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	3.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	3.1
2.1	2.1	2.2	1.1	2.1	2.1	1.1	2.1	2.1	1.1	2.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	4.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	3.1
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	2.1
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.1
4.2	4.2	2.2	4.1	2.1	2.1	4.4	4.2	4.2	4.1	4.3
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	2.1
1.1	1.1	1.1	3.1	3.1	3.1	1.1	1.1	1.1	3.1	1.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	4.1
4.3	4.3	4.4	3.2	4.2	4.2	3.3	4.3	4.3	3.2	3.1
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	3.1
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	4.3
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	4.2
4.3	4.3	4.4	3.1	4.1	4.1	3.3	4.3	4.3	3.1	3.1
3.1	3.1	1.1	3.3	3.1	3.1	3.3	3.1	3.1	3.3	3.3
2.1	2.1	1.1	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.2
4.2	4.2	4.4	3.2	4.3	4.3	2.2	4.2	4.2	3.2	3.2
3.2	3.2	3.3	2.1	3.1	3.1	4.2	4.3	4.3	4.1	5.4
4.3	4.3	3.3	4.1	3.1	3.1	4.4	4.3	4.3	4.1	4.3
4.1	4.1	1.1	4.2	2.1	2.1	4.4	4.1	4.1	4.2	4.3

4.1	4.1	1.1	4.1	1.1	1.1	4.4	4.1	4.1	4.1	4.1
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.2
4.1	4.1	1.1	4.1	1.1	1.1	4.4	4.1	4.1	4.1	4.2
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.1
4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.2	4.2	4.2	4.3
1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1	2.1	2.2
4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.2	4.2	4.2	4.3
4.1	4.1	1.1	4.3	3.1	3.1	4.4	4.1	4.1	4.3	4.2
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	3.1
4.2	4.2	2.2	4.3	3.2	3.2	4.4	4.2	4.2	4.3	4.1
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	4.3
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	3.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.1
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	2.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	4.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	3.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	4.1
3.3	3.3	3.3	3.2	3.2	3.2	3.3	3.3	3.3	3.2	3.3
3.1	3.1	3.3	5.1	5.3	5.3	1.1	3.1	3.1	5.1	4.1
3.2	4.3	4.2	3.2	2.2	4.2	3.3	3.2	4.3	3.2	3.1
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.1

3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	4.3
3.2	3.2	2.2	3.2	2.2	2.2	3.1	2.1	2.1	2.1	2.1
4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	3.2
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	4.2
4.2	4.2	4.4	4.2	4.4	4.4	2.2	4.2	4.2	4.2	3.2
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	4.2
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	3.2
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	3.2
2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.1	2.2
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	3.2
4.1	4.1	1.1	4.3	3.1	3.1	4.4	4.1	4.1	4.3	4.2
4.2	4.2	2.2	4.3	3.2	3.2	4.4	4.2	4.2	4.3	4.1
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.1
4.3	4.3	3.3	4.3	3.3	3.3	4.4	4.3	4.3	4.3	4.1
4.1	4.1	1.1	4.3	3.1	3.1	4.4	4.1	4.1	4.3	4.1
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.2
4.2	4.2	4.4	4.2	4.4	4.4	2.2	4.2	4.2	4.2	4.2
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	3.2
4.3	4.3	3.3	4.1	3.1	3.1	4.4	4.3	4.3	4.1	4.4
3.2	3.2	3.3	3.2	3.3	3.3	2.2	3.2	3.2	3.2	2.2
5.2	5.2	5.5	3.2	5.3	5.3	2.2	5.2	5.2	3.2	2.1
4.3	4.3	3.3	4.3	3.3	3.3	4.4	4.3	4.3	4.3	4.2
3.2	3.2	2.2	3.1	2.1	2.1	3.2	2.2	2.2	2.1	4.2
4.3	4.3	4.4	3.1	4.1	4.1	3.3	4.3	4.3	3.1	3.2
4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.2	4.2	4.2	4.4
5.2	5.2	2.2	5.2	2.2	2.2	5.5	5.2	5.2	5.2	5.3
4.4	4.4	4.4	5.4	5.4	5.4	4.4	4.4	4.4	5.4	4.3
3.2	3.2	2.2	4.3	4.2	4.2	3.3	3.2	3.2	4.3	3.1

3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	2.1
4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	3.2
3.1	3.1	3.3	1.1	3.1	3.1	1.1	3.1	3.1	1.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	4.1
4.1	4.1	4.4	5.1	5.4	5.4	1.1	4.1	4.1	5.1	3.1
1.1	1.1	1.1	1.1	1.1	1.1	3.1	3.1	3.1	3.1	4.3
2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.1	3.2
3.1	3.1	1.1	3.2	2.1	2.1	4.3	4.1	4.1	4.2	4.3
3.3	3.3	3.3	3.2	3.2	3.2	3.3	3.3	3.3	3.2	3.3
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	2.2
4.3	4.3	4.4	4.3	4.4	4.4	3.3	4.3	4.3	4.3	3.3
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	3.3
3.1	3.1	3.3	1.1	3.1	3.1	2.1	3.2	3.2	2.1	2.2
4.3	4.3	3.3	4.1	3.1	3.1	4.4	4.3	4.3	4.1	4.2
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	2.2
4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	4.2
3.2	3.2	2.2	3.3	3.2	3.2	3.3	3.2	3.2	3.3	3.3
4.2	4.2	2.2	4.1	2.1	2.1	4.4	4.2	4.2	4.1	4.4
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	3.3
4.2	4.2	2.2	4.3	3.2	3.2	4.4	4.2	4.2	4.3	4.4
3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	3.3
3.1	3.1	3.3	5.1	5.3	5.3	1.1	3.1	3.1	5.1	6.1
3.1	3.1	3.3	5.1	5.3	5.3	1.1	3.1	3.1	5.1	6.1
4.1	4.1	4.4	5.1	5.4	5.4	1.1	4.1	4.1	5.1	6.1
4.2	4.2	4.4	2.1	4.1	4.1	3.2	4.3	4.3	3.1	3.3
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1

2.1	1.1	2.1	2.1	2.2	2.1	1.1	2.1	1.1	2.1	2.1
2.1	1.1	2.1	2.1	2.2	2.1	1.1	2.1	1.1	2.1	2.1
2.1	1.1	2.1	2.1	2.2	2.1	1.1	2.1	1.1	2.1	2.1
2.1	1.1	2.1	2.1	2.2	2.1	1.1	2.1	1.1	2.1	2.1
2.1	1.1	2.1	2.1	2.2	2.1	1.1	2.1	1.1	2.1	2.1
2.1	1.1	2.1	2.1	2.2	2.1	1.1	2.1	1.1	2.1	2.1
2.1	1.1	2.1	2.1	2.2	2.1	1.1	2.1	1.1	2.1	2.1
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	3.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
2.1	1.1	2.1	2.1	2.2	2.1	1.1	2.1	1.1	2.1	3.1
2.1	1.1	2.1	3.1	3.2	3.1	1.1	2.1	1.1	3.1	3.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	1.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	3.1
3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2	3.2	4.3
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	3.1
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	4.3
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	3.2
1.1	1.1	1.1	2.1	2.1	2.1	1.1	1.1	1.1	2.1	3.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	4.1
3.2	3.2	3.3	3.2	3.3	3.3	2.1	3.1	3.1	3.1	3.1
3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	3.1
3.1	2.1	3.2	4.1	4.3	4.2	1.1	3.1	2.1	4.1	4.1
3.1	1.1	3.1	4.1	4.3	4.1	2.1	3.2	2.1	4.2	4.2
4.1	1.1	4.1	3.1	4.3	3.1	1.1	4.1	1.1	3.1	3.1
4.2	4.2	2.2	4.1	2.1	2.1	4.4	4.2	4.2	4.1	4.3
3.1	1.1	3.1	4.1	4.3	4.1	1.1	3.1	1.1	4.1	4.1
3.1	3.1	1.1	3.2	2.1	2.1	3.3	3.1	3.1	3.2	3.2

3.2	3.2	2.2	3.1	2.1	2.1	3.3	3.2	3.2	3.1	3.2
4.3	4.3	4.4	3.2	4.2	4.2	3.3	4.3	4.3	3.2	3.3
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4.3	4.3	4.4	3.1	4.1	4.1	3.3	4.3	4.3	3.1	3.1
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3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	3.2
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4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	4.2
4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.2
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2.2	2.2	2.2	2.1	2.1	2.1	4.2	4.2	4.2	4.1	4.2
2.2	2.2	2.2	2.1	2.1	2.1	3.2	3.2	3.2	3.1	3.2
3.2	3.2	2.2	4.3	4.2	4.2	3.3	3.2	3.2	4.3	4.3
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3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	1.1
4.1	4.1	4.4	2.1	4.2	4.2	1.1	4.1	4.1	2.1	1.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	1.1
4.2	4.2	2.2	4.3	3.2	3.2	4.4	4.2	4.2	4.3	4.1
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3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1	3.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	3.1
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	4.2
3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	4.2

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4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	3.2
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4.2	4.2	4.4	2.1	4.1	4.1	2.2	4.2	4.2	2.1	3.2
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3.2	3.2	3.3	2.1	3.1	3.1	2.2	3.2	3.2	2.1	4.2
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
5.1	5.1	5.5	4.1	5.4	5.4	1.1	5.1	5.1	4.1	1.1
2.1	2.1	2.2	3.1	3.2	3.2	1.1	2.1	2.1	3.1	4.1
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3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	3.1
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3.1	3.1	3.3	1.1	3.1	3.1	1.1	3.1	3.1	1.1	3.1
3.2	3.2	2.2	4.3	4.2	4.2	3.3	3.2	3.2	4.3	3.2
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4.3	4.3	3.3	4.2	3.2	3.2	4.4	4.3	4.3	4.2	4.3
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4.2	4.2	4.4	3.2	4.3	4.3	2.2	4.2	4.2	3.2	3.2
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4.2	4.2	4.4	3.2	4.3	4.3	2.2	4.2	4.2	3.2	4.2
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	4.2
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	2.1
4.3	4.3	3.3	4.1	3.1	3.1	4.4	4.3	4.3	4.1	4.1
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3.1	3.1	1.1	3.1	1.1	1.1	3.2	2.1	2.1	2.1	2.1
5.2	2.2	5.2	2.2	5.2	2.2	2.2	5.2	2.2	2.2	4.2
2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1	2.1	3.2
4.3	4.3	3.3	4.2	3.2	3.2	4.1	3.1	3.1	2.1	3.1
3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1	3.1	3.2
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
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4.1	4.1	4.4	3.1	4.3	4.3	1.1	4.1	4.1	3.1	3.1
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3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1	2.1	2.1

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5.3	5.3	5.5	3.2	5.2	5.2	3.1	5.1	5.1	2.1	2.1
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3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
4.1	4.1	4.4	4.1	4.4	4.4	1.1	4.1	4.1	4.1	3.1
3.1	3.1	3.3	5.1	5.3	5.3	1.1	3.1	3.1	5.1	4.1
3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	2.1
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3.1	3.1	3.3	4.1	4.3	4.3	1.1	3.1	3.1	4.1	2.1
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4.1	4.1	4.4	3.1	4.3	4.3	1.1	4.1	4.1	3.1	3.1
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3.1	3.1	3.3	2.1	3.2	3.2	1.1	3.1	3.1	2.1	1.1
2.1	2.1	2.2	3.1	3.2	3.2	1.1	2.1	2.1	3.1	1.1

Draft

9x2	9x3	9x4	9x6	9x8	9x7	13x2	13x3	13x4	13x6	13x8
-0.0955949	-0.141588	-0.1415547	-0.1886732	-0.0733605	-0.2722285	-0.089941	-0.1688939	-0.0797478	-0.380098	0.00408829
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.2	2.1
1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.2	2.1
1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.2	2.1
1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.2	2.1
1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.2	2.1
1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.2	2.1
1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.2	2.1
1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	4.1	4.1	4.1	1.1	4.1	3.1	4.3	4.3	4.3	3.1
3.3	3.1	3.1	3.2	3.3	3.1	3.1	1.1	1.1	2.1	3.1
1.1	1.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	3.2	3.1
1.1	1.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	3.2	3.1
1.1	1.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	3.2	3.1
1.1	1.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	3.2	3.1
1.1	1.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	3.2	3.1
1.1	1.1	1.1	1.1	1.1	1.1	3.1	3.1	3.1	3.1	3.1
1.1	3.1	3.1	3.1	1.1	3.1	2.1	3.2	3.2	3.2	2.1
1.1	3.1	3.1	3.1	1.1	3.1	2.1	3.2	3.2	3.2	2.1

1.1	3.1	3.1	3.1	1.1	3.1	2.1	3.2	3.2	3.2	2.1
1.1	3.1	3.1	3.1	1.1	3.1	2.1	3.2	3.2	3.2	2.1
2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2
4.4	4.3	4.3	4.1	4.4	4.1	4.1	3.1	3.1	1.1	4.1
2.2	4.2	4.2	2.1	2.2	3.2	2.1	4.1	4.1	1.1	2.1
3.3	3.2	3.2	3.3	3.3	3.3	4.3	4.2	4.2	4.3	4.3
4.4	4.2	4.2	4.2	4.4	4.2	4.1	2.1	2.1	2.1	4.1
3.1	3.1	3.1	2.1	1.1	1.1	4.3	4.3	4.3	4.2	4.1
2.2	3.2	3.2	2.1	2.2	4.2	2.1	3.1	3.1	1.1	2.1
2.2	3.2	3.2	3.2	2.2	2.1	2.1	3.1	3.1	3.1	2.1
2.2	3.2	3.2	2.1	2.2	3.2	2.1	3.1	3.1	1.1	2.1
1.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1	2.2	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
2.2	3.2	3.2	2.1	2.2	2.1	2.1	3.1	3.1	1.1	2.1
2.2	4.2	4.2	2.1	2.2	3.2	2.1	4.1	4.1	1.1	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
2.2	3.2	3.2	2.1	2.2	4.2	2.1	3.1	3.1	1.1	2.1
2.2	4.2	4.2	2.1	2.2	3.2	2.1	4.1	4.1	1.1	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
1.1	5.1	5.1	2.1	1.1	4.1	4.1	5.4	5.4	4.2	4.1
3.3	3.2	3.2	3.1	3.3	3.1	3.1	2.1	2.1	1.1	3.1
1.1	2.1	2.1	3.1	1.1	3.1	3.1	3.2	3.2	3.3	3.1
1.1	4.1	4.1	3.1	1.1	3.1	3.1	4.3	4.3	3.3	3.1

1.1	4.1	4.1	3.1	1.1	2.1	3.1	4.3	4.3	3.3	3.1
1.1	4.1	4.1	2.1	1.1	3.1	3.1	4.3	4.3	3.2	3.1
3.3	4.3	4.3	3.1	3.3	3.2	3.1	4.1	4.1	1.1	3.1
3.3	3.2	3.2	3.1	3.3	3.1	3.1	2.1	2.1	1.1	3.1
3.3	3.2	3.2	3.1	3.3	3.1	3.1	2.1	2.1	1.1	3.1
1.1	2.1	2.1	2.1	1.1	2.1	3.1	3.2	3.2	3.2	3.1
3.3	3.1	3.1	3.2	3.3	4.3	3.1	1.1	1.1	2.1	3.1
3.3	3.1	3.1	3.2	3.3	3.1	4.3	4.1	4.1	4.2	4.3
3.3	4.3	4.3	3.1	3.3	3.2	3.1	4.1	4.1	1.1	3.1
3.3	3.2	3.2	3.1	3.3	3.1	3.1	2.1	2.1	1.1	3.1
4.4	4.3	4.3	4.2	4.4	4.2	4.1	3.1	3.1	2.1	4.1
4.4	4.1	4.1	4.3	4.4	4.2	4.1	1.1	1.1	3.1	4.1
3.3	3.2	3.2	3.2	3.3	3.2	3.1	2.1	2.1	2.1	3.1
3.2	2.2	2.2	4.2	2.2	2.2	3.1	2.1	2.1	4.1	2.1
2.2	3.2	3.2	3.2	2.2	3.2	2.1	3.1	3.1	3.1	2.1
3.3	3.2	3.2	3.2	3.3	3.2	3.2	2.2	2.2	2.2	3.2
3.3	3.2	3.2	3.2	3.3	3.2	3.1	2.1	2.1	2.1	3.1
3.3	3.2	3.2	4.3	3.3	3.2	4.3	4.2	4.2	4.4	4.3
3.3	3.2	3.2	3.2	3.3	3.2	3.2	2.2	2.2	2.2	3.2
3.3	3.2	3.2	3.1	3.3	4.3	3.1	2.1	2.1	1.1	3.1
2.2	2.1	2.1	2.1	2.2	3.2	3.2	3.1	3.1	3.1	3.2
2.2	4.2	4.2	3.2	2.2	3.2	3.2	4.3	4.3	3.3	3.2
3.3	3.1	3.1	3.2	3.3	3.2	3.2	2.1	2.1	2.2	3.2
3.3	3.2	3.2	3.1	3.3	4.3	3.2	2.2	2.2	2.1	3.2
3.3	3.1	3.1	3.1	3.3	3.2	3.1	1.1	1.1	1.1	3.1
4.3	4.1	4.1	4.4	4.4	4.1	3.1	1.1	1.1	4.1	4.1
3.3	3.2	3.2	3.1	3.3	4.3	3.1	2.1	2.1	1.1	3.1
3.3	3.1	3.1	3.1	3.3	3.2	3.1	1.1	1.1	1.1	3.1

1.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	1.1	1.1	2.1
3.3	3.2	3.2	3.1	3.3	3.2	3.1	2.1	2.1	1.1	3.1
3.3	3.2	3.2	3.1	3.3	3.2	3.1	2.1	2.1	1.1	3.1
4.4	4.1	4.1	4.2	4.4	4.2	4.2	2.1	2.1	2.2	4.2
2.2	3.2	3.2	3.2	2.2	4.2	4.2	4.3	4.3	4.3	4.2
2.2	3.2	3.2	2.1	2.2	4.2	4.2	4.3	4.3	4.1	4.2
4.4	4.1	4.1	4.1	4.4	4.3	4.2	2.1	2.1	2.1	4.2
4.4	4.3	4.3	4.1	4.4	4.2	4.1	3.1	3.1	1.1	4.1
4.4	4.2	4.2	4.1	4.4	4.3	4.3	3.2	3.2	3.1	4.3
4.4	4.2	4.2	4.2	4.4	4.3	4.3	3.2	3.2	3.2	4.3
4.4	4.1	4.1	4.1	4.4	4.2	4.3	3.1	3.1	3.1	4.3
3.3	4.3	4.3	4.3	3.3	3.2	4.3	4.4	4.4	4.4	4.3
2.2	4.2	4.2	3.2	2.2	3.2	2.1	4.1	4.1	3.1	2.1
1.1	3.1	3.1	3.1	1.1	1.1	2.1	3.2	3.2	3.2	2.1
1.1	3.1	3.1	2.1	1.1	1.1	2.1	3.2	3.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	1.1	2.1	3.2	3.2	2.2	2.1
1.1	4.1	4.1	2.1	1.1	1.1	2.1	4.2	4.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	1.1	2.1	3.2	3.2	2.2	2.1
1.1	3.1	3.1	4.1	1.1	1.1	4.1	4.3	4.3	4.4	4.1
1.1	5.1	5.1	2.1	1.1	4.1	4.1	5.4	5.4	4.2	4.1
2.1	3.2	3.2	4.2	2.1	2.1	4.1	4.3	4.3	4.4	4.1
1.1	4.1	4.1	3.1	1.1	1.1	3.1	4.3	4.3	3.3	3.1
4.1	4.1	4.1	4.2	4.1	4.3	3.1	3.1	3.1	3.2	3.1
1.1	2.1	2.1	3.1	1.1	3.1	3.1	3.2	3.2	3.3	3.1
2.1	4.2	4.2	3.2	2.1	2.2	3.1	4.3	4.3	3.3	3.1
1.1	3.1	3.1	4.1	1.1	1.1	4.1	4.3	4.3	4.4	4.1
1.1	2.1	2.1	4.1	1.1	1.1	4.1	4.2	4.2	4.4	4.1
2.1	3.2	3.2	2.2	2.1	4.2	4.1	4.3	4.3	4.2	4.1

1.1	2.1	2.1	2.1	1.1	1.1	4.1	4.2	4.2	4.2	4.1
1.1	4.1	4.1	2.1	1.1	4.1	4.1	4.4	4.4	4.2	4.1
1.1	1.1	1.1	4.1	1.1	1.1	2.1	2.1	2.1	4.2	2.1
1.1	3.1	3.1	4.1	1.1	1.1	2.1	3.2	3.2	4.2	2.1
4.4	5.4	5.4	4.3	4.4	4.1	4.3	5.3	5.3	3.3	4.3
2.1	4.1	4.1	2.1	2.1	3.1	3.2	4.3	4.3	3.2	3.2
4.4	4.3	4.3	4.1	4.4	4.3	4.3	3.3	3.3	3.1	4.3
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4.2	2.2	2.2	2.2	4.2	2.1	4.1	2.1	2.1	2.1	4.1
1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.2	2.1
2.2	3.2	3.2	2.1	2.2	2.1	2.1	3.1	3.1	1.1	2.1
1.1	4.1	4.1	4.1	1.1	3.1	2.1	4.2	4.2	4.2	2.1
1.1	3.1	3.1	2.1	1.1	3.1	2.1	3.2	3.2	2.2	2.1
1.1	4.1	4.1	3.1	1.1	1.1	2.1	4.2	4.2	3.2	2.1
2.2	3.2	3.2	2.1	2.2	2.1	2.1	3.1	3.1	1.1	2.1
1.1	3.1	3.1	3.1	1.1	4.1	2.1	3.2	3.2	3.2	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
3.1	3.3	3.3	3.3	3.1	4.3	1.1	3.1	3.1	3.1	1.1
1.1	2.1	2.1	2.1	1.1	4.1	3.1	3.2	3.2	3.2	3.1
1.1	2.1	1.1	2.1	1.1	4.1	3.1	3.2	3.1	3.2	3.1
1.1	4.1	4.1	2.1	1.1	5.1	3.1	4.3	4.3	3.2	3.1
1.1	2.1	2.1	2.1	1.1	2.1	3.1	3.2	3.2	3.2	3.1
1.1	2.1	2.1	2.1	1.1	2.1	3.1	3.2	3.2	3.2	3.1
1.1	2.1	2.1	3.1	1.1	2.1	2.1	2.2	2.2	3.2	2.1
1.1	2.1	2.1	2.1	1.1	3.1	3.1	3.2	3.2	3.2	3.1
4.4	4.2	4.2	4.1	4.3	4.2	4.1	2.1	2.1	1.1	3.1
2.1	3.2	3.2	4.2	2.1	3.2	4.1	4.3	4.3	4.4	4.1
3.1	4.3	4.3	3.2	3.1	3.2	1.1	4.1	4.1	2.1	1.1

1.1	4.1	4.1	2.1	1.1	4.1	4.1	4.4	4.4	4.2	4.1
1.1	3.1	3.1	4.1	1.1	2.1	4.1	4.3	4.3	4.4	4.1
2.2	2.1	2.1	2.1	2.2	3.2	3.2	3.1	3.1	3.1	3.2
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2.2	3.2	3.2	2.1	2.2	4.2	2.1	3.1	3.1	1.1	2.1
2.2	4.2	4.2	3.2	2.2	3.2	3.2	4.3	4.3	3.3	3.2
3.2	3.2	3.2	3.2	2.2	3.2	3.3	3.3	3.3	3.3	3.2
3.2	3.2	3.2	3.2	2.2	3.2	3.3	3.3	3.3	3.3	3.2
2.2	4.2	4.2	2.1	2.2	3.2	3.2	4.3	4.3	3.1	3.2
3.3	3.2	3.2	3.2	3.3	4.3	3.2	2.2	2.2	2.2	3.2
2.2	4.2	4.2	4.2	2.2	4.2	3.2	4.3	4.3	4.3	3.2
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3.3	3.1	3.1	3.3	3.2	3.1	3.1	1.1	1.1	3.1	2.1
4.4	4.2	4.2	4.2	4.4	4.3	4.2	2.2	2.2	2.2	4.2
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4.4	4.2	4.2	4.2	4.4	4.3	4.2	2.2	2.2	2.2	4.2
4.4	4.3	4.3	4.2	4.4	4.2	4.2	3.2	3.2	2.2	4.2
4.4	4.4	4.4	4.1	4.4	4.2	4.2	4.2	4.2	2.1	4.2
4.4	4.2	4.2	4.1	4.4	4.3	4.3	3.2	3.2	3.1	4.3
3.3	3.2	3.2	3.1	3.3	3.1	4.3	4.2	4.2	4.1	4.3
4.4	4.2	4.2	4.2	4.4	4.1	4.3	3.2	3.2	3.2	4.3
3.3	3.2	3.2	3.1	3.3	4.3	4.3	4.2	4.2	4.1	4.3
2.2	2.2	2.2	2.2	4.2	2.2	2.2	2.2	2.2	2.2	4.2
3.3	3.2	3.2	3.2	3.3	4.3	4.3	4.2	4.2	4.2	4.3
3.3	3.2	3.2	4.3	3.3	4.3	3.1	2.1	2.1	4.1	3.1
3.2	2.2	2.2	2.2	3.2	2.1	3.2	2.2	2.2	2.2	3.2
2.2	3.2	3.2	2.1	2.2	2.1	2.1	3.1	3.1	1.1	2.1
1.1	1.1	1.1	2.1	1.1	3.1	5.1	5.1	5.1	5.2	5.1

1.1	2.1	2.1	2.1	1.1	2.1	3.1	3.2	3.2	3.2	3.1
1.1	2.1	2.1	3.1	1.1	3.1	3.1	3.2	3.2	3.3	3.1
3.1	3.2	3.2	3.2	3.3	3.2	2.1	2.2	2.2	2.2	3.2
1.1	3.1	3.1	4.1	1.1	4.1	2.1	3.2	3.2	4.2	2.1
1.1	4.1	4.1	2.1	1.1	5.1	5.1	5.4	5.4	5.2	5.1
2.2	4.2	4.2	3.2	2.2	4.2	2.1	4.1	4.1	3.1	2.1
3.3	4.3	4.3	3.1	3.3	3.2	3.2	4.2	4.2	2.1	3.2
3.3	3.2	3.2	3.2	3.3	3.2	3.2	2.2	2.2	2.2	3.2
2.2	2.2	2.2	3.2	2.2	4.2	3.2	3.2	3.2	3.3	3.2
2.2	3.2	3.2	3.2	2.2	3.2	4.2	4.3	4.3	4.3	4.2
2.2	3.2	3.2	3.2	2.2	3.2	4.2	4.3	4.3	4.3	4.2
2.2	4.2	4.2	3.2	2.2	4.2	4.2	4.4	4.4	4.3	4.2
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	4.1	4.1	2.1	1.1	2.1	2.1	4.2	4.2	2.2	2.1
3.1	3.2	3.2	3.2	3.1	3.2	1.1	2.1	2.1	2.1	1.1
3.1	3.2	3.2	3.2	3.1	3.2	1.1	2.1	2.1	2.1	1.1
2.1	2.2	2.2	2.2	2.1	2.2	1.1	2.1	2.1	2.1	1.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
4.1	4.3	4.3	4.3	4.1	4.3	1.1	3.1	3.1	3.1	1.1
4.1	4.3	4.3	4.3	4.1	4.3	1.1	3.1	3.1	3.1	1.1
2.1	3.2	3.2	3.2	2.1	3.2	1.1	3.1	3.1	3.1	1.1
3.1	3.3	3.3	3.3	3.1	3.3	1.1	3.1	3.1	3.1	1.1
3.3	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2	2.2	3.2
1.1	2.1	2.1	4.1	1.1	2.1	4.1	4.2	4.2	4.4	4.1
3.3	3.2	3.2	3.2	3.3	3.2	3.1	2.1	2.1	2.1	3.1
3.3	3.1	3.1	3.1	3.3	4.3	3.2	2.1	2.1	2.1	3.2
2.2	2.1	2.1	2.1	2.2	3.2	3.2	3.1	3.1	3.1	3.2
2.2	4.2	4.2	2.1	2.2	3.2	2.1	4.1	4.1	1.1	2.1

1.1	4.1	4.1	2.1	1.1	2.1	2.1	4.2	4.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	2.1	2.1	3.1	1.1	2.1	3.1	3.2	3.2	3.3	3.1
1.1	3.1	3.1	2.1	1.1	2.1	3.1	3.3	3.3	3.2	3.1
2.2	3.2	3.2	2.1	2.2	2.1	2.1	3.1	3.1	1.1	2.1
2.2	3.2	3.2	2.1	2.2	2.1	2.1	3.1	3.1	1.1	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
3.3	4.3	4.3	3.1	3.3	3.2	3.1	4.1	4.1	1.1	3.1
2.1	4.2	4.2	3.2	2.2	3.2	3.1	4.3	4.3	3.3	3.2
4.4	4.2	4.2	4.4	4.1	4.1	4.2	2.2	2.2	4.2	2.1
1.1	4.1	4.1	1.1	1.1	1.1	3.1	4.3	4.3	3.1	3.1
1.1	2.1	2.1	2.1	1.1	3.1	3.1	3.2	3.2	3.2	3.1
1.1	2.1	2.1	2.1	1.1	3.1	3.1	3.2	3.2	3.2	3.1
1.1	2.1	2.1	2.1	1.1	3.1	3.1	3.2	3.2	3.2	3.1
1.1	4.1	4.1	2.1	1.1	3.1	3.1	4.3	4.3	3.2	3.1
1.1	4.1	4.1	2.1	1.1	4.1	3.1	4.3	4.3	3.2	3.1
1.1	3.1	3.1	2.1	1.1	4.1	4.1	4.3	4.3	4.2	4.1
4.4	4.2	4.2	4.2	4.4	4.2	4.2	2.2	2.2	2.2	4.2
1.1	2.1	2.1	2.1	1.1	3.1	3.1	3.2	3.2	3.2	3.1
1.1	3.1	3.1	2.1	1.1	4.1	3.1	3.3	3.3	3.2	3.1
2.1	3.2	3.2	2.2	2.1	4.2	3.1	3.3	3.3	3.2	3.1
1.1	1.1	3.1	2.1	1.1	1.1	2.1	2.1	3.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	4.1	4.1	4.3	4.3	4.2	4.1
1.1	2.1	2.1	2.1	1.1	3.1	4.1	4.2	4.2	4.2	4.1
4.4	4.2	4.2	4.3	4.4	4.3	4.1	2.1	2.1	3.1	4.1
1.1	1.1	1.1	2.1	1.1	1.1	4.1	4.1	4.1	4.2	4.1
1.1	2.1	2.1	4.1	1.1	2.1	4.1	4.2	4.2	4.4	4.1

3.3	3.1	3.1	3.2	3.3	3.2	3.1	1.1	1.1	2.1	3.1
3.3	3.1	3.1	3.1	3.3	3.2	3.2	2.1	2.1	2.1	3.2
2.2	3.2	3.2	3.2	2.2	4.2	3.2	3.3	3.3	3.3	3.2
2.2	3.2	3.2	2.2	2.2	2.2	3.2	3.3	3.3	3.2	3.2
2.2	3.2	3.2	2.2	4.2	4.2	3.2	3.3	3.3	3.2	4.3
2.2	3.2	3.2	2.2	2.2	2.2	3.2	3.3	3.3	3.2	3.2
4.2	4.3	4.3	4.2	4.2	4.3	3.2	3.3	3.3	3.2	3.2
2.1	4.1	4.1	1.1	2.1	1.1	2.1	4.1	4.1	1.1	2.1
3.3	4.3	4.3	3.2	3.3	3.2	3.2	4.2	4.2	2.2	3.2
2.2	4.2	4.2	2.1	2.2	2.1	3.2	4.3	4.3	3.1	3.2
3.3	3.2	3.2	3.2	3.3	4.3	3.2	2.2	2.2	2.2	3.2
3.3	3.2	3.2	3.2	3.3	4.3	3.2	2.2	2.2	2.2	3.2
3.3	3.1	3.1	3.2	3.3	3.2	3.1	1.1	1.1	2.1	3.1
3.3	3.1	3.1	3.2	3.3	3.2	3.1	1.1	1.1	2.1	3.1
3.3	3.2	3.2	3.2	3.3	3.2	3.2	2.2	2.2	2.2	3.2
4.4	4.4	4.4	4.3	4.4	4.3	4.2	4.2	4.2	3.2	4.2
2.1	3.1	3.1	1.1	2.1	1.1	3.2	3.3	3.3	3.1	3.2
4.4	4.2	4.2	4.3	4.4	4.3	4.2	2.2	2.2	3.2	4.2
4.4	4.1	4.1	4.3	4.4	4.3	4.2	2.1	2.1	3.2	4.2
4.4	4.3	4.3	4.3	4.4	4.2	4.2	3.2	3.2	3.2	4.2
4.4	4.3	4.3	4.2	4.4	4.2	4.2	3.2	3.2	2.2	4.2
4.4	4.2	4.2	4.3	4.4	4.3	4.2	2.2	2.2	3.2	4.2
4.1	3.1	3.1	1.1	4.1	1.1	4.3	3.3	3.3	3.1	4.3
2.2	2.2	2.2	4.2	2.2	3.2	4.2	4.2	4.2	4.4	4.2
3.3	3.2	3.2	3.1	3.3	4.3	4.3	4.2	4.2	4.1	4.3
4.4	4.1	4.1	4.2	4.4	4.2	4.3	3.1	3.1	3.2	4.3
4.4	4.3	4.3	4.1	4.4	4.2	4.1	3.1	3.1	1.1	4.1
3.3	3.1	3.1	3.2	3.3	4.3	3.1	1.1	1.1	2.1	3.1

5.5	5.2	5.2	5.3	5.5	5.2	5.4	4.2	4.2	4.3	5.4
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	4.1	4.1	2.1	1.1	2.1	2.1	4.2	4.2	2.2	2.1
1.1	6.1	6.1	4.1	1.1	5.1	2.1	6.2	6.2	4.2	2.1
2.1	2.2	2.2	2.1	4.2	3.2	2.1	2.2	2.2	2.1	4.2
3.3	3.2	3.2	3.1	3.3	3.1	3.1	2.1	2.1	1.1	3.1
2.1	2.2	2.2	3.2	2.1	2.2	1.1	2.1	2.1	3.1	1.1
3.1	4.3	4.3	3.2	3.1	3.1	1.1	4.1	4.1	2.1	1.1
2.1	2.2	2.2	2.2	2.1	2.2	3.1	3.2	3.2	3.2	3.1
1.1	1.1	1.1	4.1	1.1	2.1	3.1	3.1	3.1	4.3	3.1
2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2
1.1	2.1	2.1	4.1	1.1	3.1	4.1	4.2	4.2	4.4	4.1
5.1	5.2	5.2	5.4	5.1	5.3	1.1	2.1	2.1	4.1	1.1
3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.3
2.2	4.2	4.2	4.2	2.2	4.2	4.2	4.4	4.4	4.4	4.2
2.2	3.2	3.2	3.2	2.2	4.2	3.2	3.3	3.3	3.3	3.2
3.3	3.1	3.1	3.1	3.3	3.1	3.2	2.1	2.1	2.1	3.2
3.3	3.2	3.2	3.2	3.3	3.2	3.2	2.2	2.2	2.2	3.2
3.3	3.2	3.2	5.3	3.3	3.2	4.3	4.2	4.2	5.4	4.3
3.2	3.3	3.3	3.3	3.2	3.3	3.2	3.3	3.3	3.3	3.2
4.3	3.2	3.2	3.1	4.3	3.2	4.1	2.1	2.1	1.1	4.1
4.1	3.1	3.1	2.1	4.1	3.1	4.3	3.3	3.3	3.2	4.3
2.2	3.2	3.2	2.1	2.2	2.1	2.1	3.1	3.1	1.1	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
3.1	4.3	4.3	3.2	3.3	3.1	2.1	4.2	4.2	2.2	3.2

1.1	4.1	4.1	2.1	1.1	3.1	3.1	4.3	4.3	3.2	3.1
1.1	4.1	4.1	2.1	1.1	3.1	3.1	4.3	4.3	3.2	3.1
2.2	2.1	2.1	3.2	2.2	3.2	2.1	1.1	1.1	3.1	2.1
3.3	3.1	3.1	3.2	3.3	3.1	3.1	1.1	1.1	2.1	3.1
1.1	2.1	2.1	3.1	1.1	1.1	3.1	3.2	3.2	3.3	3.1
2.1	3.2	3.2	4.2	2.2	2.1	4.1	4.3	4.3	4.4	4.2
1.1	4.1	4.1	2.1	1.1	1.1	2.1	4.2	4.2	2.2	2.1
1.1	4.1	4.1	4.1	1.1	2.1	3.1	4.3	4.3	4.3	3.1
1.1	3.1	3.1	2.1	1.1	4.1	4.1	4.3	4.3	4.2	4.1
1.1	5.1	5.1	2.1	1.1	3.1	4.1	5.4	5.4	4.2	4.1
4.4	4.3	4.3	4.2	4.4	4.1	4.1	3.1	3.1	2.1	4.1
2.2	2.1	2.1	2.1	2.2	2.2	2.1	1.1	1.1	1.1	2.1
3.3	4.3	4.3	3.2	3.3	3.3	3.2	4.2	4.2	2.2	3.2
3.3	4.3	4.3	3.1	3.3	3.1	3.1	4.1	4.1	1.1	3.1
3.3	4.3	4.3	3.1	3.3	3.2	3.2	4.2	4.2	2.1	3.2
3.3	3.3	3.3	3.1	3.3	4.3	3.2	3.2	3.2	2.1	3.2
4.2	4.1	4.1	4.1	4.2	4.4	2.1	1.1	1.1	1.1	2.1
4.2	4.1	4.1	4.1	4.2	4.4	2.1	1.1	1.1	1.1	2.1
4.4	4.2	4.2	4.2	4.4	4.3	4.2	2.2	2.2	2.2	4.2
4.4	4.3	4.3	4.1	4.4	4.4	4.1	3.1	3.1	1.1	4.1
2.2	3.2	3.2	2.1	2.2	2.2	2.1	3.1	3.1	1.1	2.1
2.2	2.2	2.2	4.2	2.2	3.2	4.2	4.2	4.2	4.4	4.2
4.4	4.3	4.3	4.2	4.4	4.2	4.2	3.2	3.2	2.2	4.2
2.2	2.1	2.1	5.2	2.2	2.1	4.2	4.1	4.1	5.4	4.2
4.4	4.2	4.2	4.3	4.4	4.3	4.3	3.2	3.2	3.3	4.3
4.3	3.2	3.2	4.3	4.3	3.1	4.1	2.1	2.1	4.1	4.1
3.3	3.2	3.2	3.2	3.3	3.1	4.3	4.2	4.2	4.2	4.3
3.3	4.3	4.3	3.1	3.3	3.2	3.2	4.2	4.2	2.1	3.2

3.3	3.2	3.2	3.2	3.3	4.3	3.2	2.2	2.2	2.2	3.2
4.4	4.4	4.4	4.1	4.4	4.3	4.3	4.3	4.3	3.1	4.3
2.2	3.2	3.2	2.1	2.2	3.2	2.1	3.1	3.1	1.1	2.1
2.2	4.2	4.2	2.1	2.2	3.2	2.1	4.1	4.1	1.1	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
2.2	4.2	4.2	2.1	2.2	3.2	2.1	4.1	4.1	1.1	2.1
1.1	3.1	3.1	2.1	1.1	3.1	3.1	3.3	3.3	3.2	3.1
1.1	3.1	3.1	2.1	1.1	3.1	2.1	3.2	3.2	2.2	2.1
2.1	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.1	2.1
1.1	4.1	4.1	2.1	1.1	4.1	3.1	4.3	4.3	3.2	3.1
1.1	4.1	4.1	2.1	1.1	3.1	3.1	4.3	4.3	3.2	3.1
1.1	3.1	3.1	3.1	1.1	2.1	2.1	3.2	3.2	3.2	2.1
4.4	4.3	4.3	4.2	4.4	4.1	4.1	3.1	3.1	2.1	4.1
4.4	4.2	4.2	4.1	4.4	4.3	4.1	2.1	2.1	1.1	4.1
1.1	3.1	3.1	3.1	1.1	2.1	2.1	3.2	3.2	3.2	2.1
1.1	1.1	1.1	3.1	1.1	1.1	4.1	4.1	4.1	4.3	4.1
1.1	4.1	4.1	2.1	1.1	4.1	3.1	4.3	4.3	3.2	3.1
3.3	4.3	4.3	3.2	3.3	3.1	3.2	4.2	4.2	2.2	3.2
3.1	1.1	1.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	3.1
3.3	3.1	3.1	3.1	3.3	4.3	3.2	2.1	2.1	2.1	3.2
2.2	2.1	2.1	2.1	2.2	4.2	3.2	3.1	3.1	3.1	3.2
3.2	4.2	4.2	2.1	3.2	2.1	3.2	4.2	4.2	2.1	3.2
3.3	3.1	3.1	3.3	3.3	3.3	3.2	2.1	2.1	3.2	3.2
2.2	2.1	2.1	2.2	2.2	2.2	3.2	3.1	3.1	3.2	3.2
2.2	4.2	4.2	3.2	2.2	3.2	3.2	4.3	4.3	3.3	3.2
2.2	3.2	3.2	2.1	4.2	5.2	3.2	3.3	3.3	3.1	4.3
4.3	3.3	3.3	3.1	4.3	3.3	4.1	3.1	3.1	1.1	4.1
4.4	4.1	4.1	4.2	4.4	4.3	4.2	2.1	2.1	2.2	4.2

4.3	3.1	3.1	3.1	4.3	3.1	4.1	1.1	1.1	1.1	4.1
2.2	3.2	3.2	2.1	2.2	2.2	4.2	4.3	4.3	4.1	4.2
4.4	4.1	4.1	4.1	4.4	4.2	4.2	2.1	2.1	2.1	4.2
4.4	4.3	4.3	4.2	4.4	4.1	4.2	3.2	3.2	2.2	4.2
4.4	4.2	4.2	4.2	4.4	4.3	4.2	2.2	2.2	2.2	4.2
2.1	2.1	2.1	2.1	2.2	2.2	3.1	3.1	3.1	3.1	3.2
4.4	4.2	4.2	4.2	4.4	4.3	4.2	2.2	2.2	2.2	4.2
4.4	4.1	4.1	4.3	4.4	4.2	4.1	1.1	1.1	3.1	4.1
3.1	2.1	2.1	1.1	3.1	1.1	3.1	2.1	2.1	1.1	3.1
4.4	4.2	4.2	4.3	4.4	4.1	4.2	2.2	2.2	3.2	4.2
3.3	3.2	3.2	3.2	3.3	4.3	4.3	4.2	4.2	4.2	4.3
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	3.1	3.1	3.1	1.1	3.1	2.1	3.2	3.2	3.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
2.2	3.2	3.2	2.1	2.2	2.1	2.1	3.1	3.1	1.1	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
1.1	3.1	3.1	2.1	1.1	4.1	3.1	3.3	3.3	3.2	3.1
1.1	4.1	4.1	2.1	1.1	3.1	3.1	4.3	4.3	3.2	3.1
1.1	3.1	3.1	2.1	1.1	2.1	3.1	3.3	3.3	3.2	3.1
1.1	2.1	2.1	2.1	1.1	4.1	3.1	3.2	3.2	3.2	3.1
3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.3
2.1	3.2	3.2	5.2	2.1	4.2	4.1	4.3	4.3	5.4	4.1
3.3	3.2	4.3	3.2	3.3	3.1	3.1	2.1	4.1	2.1	3.1
3.3	3.2	3.2	3.2	3.3	3.1	3.1	2.1	2.1	2.1	3.1

3.1	2.1	2.1	1.1	3.1	4.1	3.2	2.2	2.2	2.1	3.2
3.3	3.2	3.2	3.2	3.1	3.2	3.2	2.2	2.2	2.2	2.1
2.2	4.2	4.2	2.1	2.2	3.2	3.2	4.3	4.3	3.1	3.2
2.2	3.2	3.2	3.2	2.2	4.2	3.2	3.3	3.3	3.3	3.2
2.2	4.2	4.2	4.2	2.2	3.2	4.2	4.4	4.4	4.4	4.2
2.2	3.2	3.2	3.2	2.2	4.2	3.2	3.3	3.3	3.3	3.2
3.3	3.1	3.1	3.1	3.3	3.2	3.1	1.1	1.1	1.1	3.1
3.3	3.2	3.2	3.2	3.3	3.2	3.1	2.1	2.1	2.1	3.1
2.2	2.2	2.2	2.1	2.2	2.2	3.2	3.2	3.2	3.1	3.2
2.2	2.1	2.1	2.1	2.2	3.2	2.1	1.1	1.1	1.1	2.1
4.4	4.1	4.1	4.3	4.4	4.2	4.2	2.1	2.1	3.2	4.2
4.4	4.2	4.2	4.3	4.4	4.1	4.1	2.1	2.1	3.1	4.1
4.4	4.3	4.3	4.2	4.4	4.1	4.1	3.1	3.1	2.1	4.1
4.4	4.3	4.3	4.3	4.4	4.1	4.1	3.1	3.1	3.1	4.1
4.4	4.1	4.1	4.3	4.4	4.1	4.1	1.1	1.1	3.1	4.1
4.4	4.3	4.3	4.2	4.4	4.2	4.2	3.2	3.2	2.2	4.2
2.2	4.2	4.2	4.2	2.2	4.2	3.2	4.3	4.3	4.3	3.2
2.2	2.1	2.1	2.1	2.2	3.2	4.2	4.1	4.1	4.1	4.2
4.4	4.3	4.3	4.1	4.4	4.4	4.2	3.2	3.2	2.1	4.2
2.2	3.2	3.2	3.2	2.2	2.2	4.2	4.3	4.3	4.3	4.2
2.2	5.2	5.2	3.2	2.2	2.1	2.1	5.1	5.1	3.1	2.1
4.4	4.3	4.3	4.3	4.4	4.2	4.2	3.2	3.2	3.2	4.2
3.2	2.2	2.2	2.1	2.2	4.2	3.2	2.2	2.2	2.1	2.2
3.3	4.3	4.3	3.1	3.3	3.2	3.1	4.1	4.1	1.1	3.1
4.4	4.2	4.2	4.2	4.4	4.4	4.3	3.2	3.2	3.2	4.3
5.5	5.2	5.2	5.2	5.5	5.3	5.3	3.2	3.2	3.2	5.3
4.4	4.4	4.4	5.4	4.4	4.3	4.4	4.4	4.4	5.4	4.4
3.2	2.2	2.2	4.2	3.2	2.1	3.1	2.1	2.1	4.1	3.1

1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
2.2	4.2	4.2	2.1	2.2	3.2	2.1	4.1	4.1	1.1	2.1
2.1	3.2	3.2	2.1	2.1	2.2	3.1	3.3	3.3	3.1	3.1
1.1	2.1	2.1	2.1	1.1	4.1	3.1	3.2	3.2	3.2	3.1
1.1	4.1	4.1	5.1	1.1	3.1	3.1	4.3	4.3	5.3	3.1
1.1	1.1	1.1	1.1	3.1	4.1	1.1	1.1	1.1	1.1	3.1
2.2	2.2	2.2	2.1	2.2	3.2	3.2	3.2	3.2	3.1	3.2
4.3	4.1	4.1	4.2	4.4	4.3	3.2	2.1	2.1	2.2	4.2
3.3	3.3	3.3	3.2	3.3	3.3	3.2	3.2	3.2	2.2	3.2
2.2	2.1	2.1	2.1	2.2	2.2	2.1	1.1	1.1	1.1	2.1
3.3	4.3	4.3	4.3	3.3	3.3	3.2	4.2	4.2	4.2	3.2
3.3	3.1	3.1	3.1	3.3	3.3	3.1	1.1	1.1	1.1	3.1
1.1	3.1	3.1	1.1	2.1	2.1	2.1	3.2	3.2	2.1	2.2
4.4	4.3	4.3	4.1	4.4	4.2	4.2	3.2	3.2	2.1	4.2
2.2	3.2	3.2	2.1	2.2	2.2	2.1	3.1	3.1	1.1	2.1
2.1	4.1	4.1	1.1	2.1	4.1	4.2	4.4	4.4	4.1	4.2
3.3	3.2	3.2	3.3	3.3	3.3	4.3	4.2	4.2	4.3	4.3
4.4	4.2	4.2	4.1	4.4	4.4	4.2	2.2	2.2	2.1	4.2
3.2	2.1	2.1	2.1	3.2	3.2	3.1	1.1	1.1	1.1	3.1
4.4	4.2	4.2	4.3	4.4	4.4	4.3	3.2	3.2	3.3	4.3
3.3	3.2	3.2	3.1	3.3	3.3	3.1	2.1	2.1	1.1	3.1
1.1	3.1	3.1	5.1	1.1	6.1	2.1	3.2	3.2	5.2	2.1
1.1	3.1	3.1	5.1	1.1	6.1	2.1	3.2	3.2	5.2	2.1
1.1	4.1	4.1	5.1	1.1	6.1	2.1	4.2	4.2	5.2	2.1
3.2	4.3	4.3	3.1	3.3	3.3	2.1	4.1	4.1	1.1	3.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1

1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.2	2.1	2.2	2.1
3.3	3.1	3.1	3.2	3.3	3.1	3.2	2.1	2.1	2.2	3.2
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	2.1	1.1	2.1	1.1	3.1	3.1	3.2	3.1	3.2	3.1
3.1	3.2	3.1	3.3	3.1	3.3	3.1	3.2	3.1	3.3	3.1
2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	3.1	3.1	3.3	3.3	3.2	3.1
3.3	3.2	3.2	3.2	3.3	4.3	3.1	2.1	2.1	2.1	3.1
3.3	3.1	3.1	3.2	3.3	3.1	3.1	1.1	1.1	2.1	3.1
3.3	3.1	3.1	3.2	3.3	4.3	3.1	1.1	1.1	2.1	3.1
3.3	3.1	3.1	3.2	3.3	3.2	3.1	1.1	1.1	2.1	3.1
1.1	1.1	1.1	2.1	1.1	3.1	4.1	4.1	4.1	4.2	4.1
1.1	2.1	2.1	2.1	1.1	4.1	4.1	4.2	4.2	4.2	4.1
2.2	3.2	3.2	3.2	2.1	3.2	3.2	3.3	3.3	3.3	3.1
1.1	3.1	3.1	3.1	1.1	3.1	4.1	4.3	4.3	4.3	4.1
4.1	4.3	4.2	4.4	4.1	4.4	4.1	4.3	4.2	4.4	4.1
4.1	4.3	4.1	4.4	4.2	4.4	4.1	4.3	4.1	4.4	4.2
4.1	4.4	4.1	4.3	4.1	4.3	3.1	4.3	3.1	3.3	3.1
4.4	4.2	4.2	4.1	4.4	4.3	4.1	2.1	2.1	1.1	4.1
5.1	5.3	5.1	5.4	5.1	5.4	4.1	4.3	4.1	4.4	4.1
3.3	3.1	3.1	3.2	3.3	3.2	3.1	1.1	1.1	2.1	3.1

3.3	3.2	3.2	3.1	3.3	3.2	3.2	2.2	2.2	2.1	3.2
3.3	4.3	4.3	3.2	3.3	3.3	3.1	4.1	4.1	2.1	3.1
2.2	3.2	3.2	2.2	2.2	2.2	3.2	3.3	3.3	3.2	3.2
3.2	4.2	4.2	2.1	3.2	2.1	3.1	4.1	4.1	1.1	3.1
3.3	3.2	3.2	4.3	3.3	3.2	3.2	2.2	2.2	4.2	3.2
2.2	3.2	3.2	2.1	2.2	3.2	3.2	3.3	3.3	3.1	3.2
3.1	2.1	2.1	3.1	3.1	2.1	3.1	2.1	2.1	3.1	3.1
2.2	2.1	2.1	4.2	2.2	3.2	4.2	4.1	4.1	4.4	4.2
2.1	3.1	3.1	1.1	2.1	2.1	2.1	3.1	3.1	1.1	2.1
2.2	4.2	4.2	2.1	2.2	4.2	4.2	4.4	4.4	4.1	4.2
4.4	4.3	4.3	4.2	4.4	4.2	4.3	3.3	3.3	3.2	4.3
2.1	1.1	1.1	1.1	2.1	3.1	2.1	1.1	1.1	1.1	2.1
4.2	4.2	4.2	4.1	4.4	4.2	2.2	2.2	2.2	2.1	4.2
2.1	2.1	2.1	1.1	3.1	2.1	2.1	2.1	2.1	1.1	3.1
3.2	2.2	2.2	4.2	3.2	4.2	3.1	2.1	2.1	4.1	3.1
2.2	2.2	2.2	2.2	4.2	2.1	2.1	2.1	2.1	2.1	4.1
1.1	3.1	3.1	3.1	1.1	1.1	2.1	3.2	3.2	3.2	2.1
2.1	4.2	4.2	2.2	2.1	2.1	3.1	4.3	4.3	3.2	3.1
1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.2	2.2	2.2	2.1
4.4	4.2	4.2	4.3	4.4	4.1	4.1	2.1	2.1	3.1	4.1
2.1	2.1	2.1	1.1	2.1	4.1	3.2	3.2	3.2	3.1	3.2
1.1	4.1	4.1	4.1	2.1	4.1	4.1	4.4	4.4	4.4	4.2
2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2
4.4	4.3	4.3	4.1	4.4	4.4	4.2	3.2	3.2	2.1	4.2
1.1	3.1	3.1	3.1	1.1	2.1	2.1	3.2	3.2	3.2	2.1
1.1	2.1	2.1	2.1	1.1	3.1	3.1	3.2	3.2	3.2	3.1
2.2	3.2	3.2	2.1	2.2	4.2	2.1	3.1	3.1	1.1	2.1
2.2	3.2	3.2	2.1	2.2	4.2	2.1	3.1	3.1	1.1	2.1

2.2	2.1	2.1	2.1	2.2	2.1	2.1	1.1	1.1	1.1	2.1
4.2	4.1	4.1	4.1	4.4	4.1	2.1	1.1	1.1	1.1	4.1
2.2	4.2	4.2	2.1	2.2	3.2	2.1	4.1	4.1	1.1	2.1
3.2	2.2	2.2	2.2	2.2	4.2	3.1	2.1	2.1	2.1	2.1
2.2	4.2	4.2	2.1	2.2	3.2	2.1	4.1	4.1	1.1	2.1
2.1	2.2	2.2	2.1	2.1	2.2	1.1	2.1	2.1	1.1	1.1
2.1	2.2	2.2	2.1	2.1	2.2	1.1	2.1	2.1	1.1	1.1
4.1	4.2	4.2	4.1	4.1	4.2	4.1	4.2	4.2	4.1	4.1
3.1	3.2	3.2	3.1	3.1	3.2	3.1	3.2	3.2	3.1	3.1
4.1	4.2	4.2	4.1	4.1	4.2	4.1	4.2	4.2	4.1	4.1
2.2	3.2	3.2	2.1	2.2	4.2	2.1	3.1	3.1	1.1	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	5.1	5.1	4.1	1.1	1.1	2.1	5.2	5.2	4.2	2.1
1.1	2.1	2.1	3.1	1.1	4.1	5.1	5.2	5.2	5.3	5.1
1.1	3.1	3.1	2.1	1.1	4.1	2.1	3.2	3.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	1.1	1.1	2.1	1.1	4.1	3.1	3.1	3.1	3.2	3.1
3.3	3.1	3.1	3.2	3.3	3.1	3.1	1.1	1.1	2.1	3.1
2.1	3.2	3.2	2.2	2.1	3.2	2.1	3.2	3.2	2.2	2.1
5.1	5.3	5.3	5.2	5.1	5.3	2.1	3.2	3.2	2.2	2.1
4.1	4.3	4.3	4.1	4.1	4.3	1.1	3.1	3.1	1.1	1.1
4.1	4.3	4.3	4.1	4.1	4.3	1.1	3.1	3.1	1.1	1.1
4.1	4.3	4.3	4.1	4.1	4.3	4.1	4.3	4.3	4.1	4.1
4.1	4.3	4.3	4.1	4.1	4.3	4.1	4.3	4.3	4.1	4.1
3.1	3.3	3.3	3.1	3.1	3.3	3.1	3.3	3.3	3.1	3.1
3.3	3.2	3.2	4.3	3.3	3.2	3.1	2.1	2.1	4.1	3.1
1.1	4.1	4.1	3.1	1.1	2.1	3.1	4.3	4.3	3.3	3.1
2.1	4.2	4.2	2.2	2.1	2.2	3.1	4.3	4.3	3.2	3.1

4.4	4.3	4.3	4.2	4.4	4.3	4.1	3.1	3.1	2.1	4.1
1.1	3.1	3.1	2.1	1.1	3.1	4.1	4.3	4.3	4.2	4.1
2.2	4.2	4.2	3.2	2.2	3.2	3.2	4.3	4.3	3.3	3.2
4.1	4.1	4.1	4.1	4.3	4.3	1.1	1.1	1.1	1.1	3.1
3.3	3.2	3.2	3.2	3.3	3.2	3.2	2.2	2.2	2.2	3.2
2.1	3.2	3.2	2.1	2.2	3.2	3.1	3.3	3.3	3.1	3.2
2.1	3.2	3.2	2.1	2.2	3.2	3.1	3.3	3.3	3.1	3.2
1.1	4.1	4.1	1.1	2.1	4.1	1.1	4.1	4.1	1.1	2.1
2.1	3.2	3.2	2.1	2.2	3.2	1.1	3.1	3.1	1.1	2.1
3.3	3.2	3.2	3.1	3.3	3.2	3.2	2.2	2.2	2.1	3.2
3.1	1.1	1.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	3.1
3.3	4.3	4.3	3.2	3.3	4.3	3.2	4.2	4.2	2.2	3.2
2.2	4.2	4.2	3.2	2.2	4.2	3.2	4.3	4.3	3.3	3.2
2.2	2.1	2.1	2.1	2.2	4.2	3.2	3.1	3.1	3.1	3.2
2.1	1.1	1.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	2.1
4.2	3.2	3.2	2.1	4.2	2.1	4.2	3.2	3.2	2.1	4.2
4.4	4.2	4.2	4.1	4.4	4.2	4.2	2.2	2.2	2.1	4.2
3.3	3.1	3.1	3.1	3.2	3.1	3.1	1.1	1.1	1.1	2.1
2.2	5.2	2.2	2.2	2.2	4.2	4.2	5.4	4.2	4.2	4.2
2.1	1.1	1.1	1.1	2.1	3.1	2.1	1.1	1.1	1.1	2.1
4.1	3.1	3.1	2.1	1.1	3.1	4.3	3.3	3.3	3.2	3.1
3.1	1.1	1.1	1.1	3.1	2.1	3.1	1.1	1.1	1.1	3.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	2.1	2.1	3.1	1.1	2.1	3.1	3.2	3.2	3.3	3.1
1.1	4.1	4.1	3.1	1.1	3.1	2.1	4.2	4.2	3.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1

1.1	3.1	3.1	2.1	1.1	4.1	2.1	3.2	3.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	3.1	3.3	3.3	3.2	3.1
1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.2	2.1
3.1	5.1	5.1	2.1	1.1	2.1	3.2	5.2	5.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.2	3.2	2.2	2.1
1.1	3.1	3.1	2.1	1.1	2.1	3.1	3.3	3.3	3.2	3.1
1.1	3.1	3.1	2.1	1.1	2.1	3.1	3.3	3.3	3.2	3.1
1.1	4.1	4.1	4.1	1.1	3.1	2.1	4.2	4.2	4.2	2.1
1.1	3.1	3.1	5.1	1.1	4.1	2.1	3.2	3.2	5.2	2.1
2.1	3.2	3.2	2.2	2.1	2.2	2.1	3.2	3.2	2.2	2.1
2.1	3.2	3.2	2.1	2.1	2.2	2.1	3.2	3.2	2.1	2.1
2.1	3.2	3.2	4.2	2.1	2.2	4.1	4.3	4.3	4.4	4.1
1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.2	2.2	2.2	2.1
2.1	3.2	3.2	2.2	2.1	4.2	2.1	3.2	3.2	2.2	2.1
3.3	3.1	3.1	3.2	3.3	3.1	3.1	1.1	1.1	2.1	3.1
3.2	3.3	3.3	3.2	3.2	4.3	2.1	3.1	3.1	2.1	2.1
1.1	3.1	3.1	2.1	1.1	3.1	3.1	3.3	3.3	3.2	3.1
1.1	2.1	2.1	3.1	1.1	2.1	2.1	2.2	2.2	3.2	2.1
1.1	4.1	4.1	3.1	1.1	3.1	3.1	4.3	4.3	3.3	3.1
1.1	3.1	3.1	2.1	1.1	3.1	2.1	3.2	3.2	2.2	2.1
1.1	1.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	3.2	3.1
1.1	2.1	2.1	3.1	1.1	3.1	3.1	3.2	3.2	3.3	3.1
2.1	3.2	3.2	3.2	2.2	3.2	3.1	3.3	3.3	3.3	3.2
1.1	2.1	2.1	2.1	1.1	3.1	3.1	3.2	3.2	3.2	3.1

1.1	2.1	2.1	2.1	1.1	3.1	3.1	3.2	3.2	3.2	3.1
3.1	3.2	3.2	3.3	3.1	3.2	3.1	3.2	3.2	3.3	3.1
1.1	3.1	3.1	4.1	1.1	3.1	4.1	4.3	4.3	4.4	4.1
2.1	2.2	2.2	2.2	2.1	4.2	3.1	3.2	3.2	3.2	3.1
1.1	2.1	2.1	2.1	1.1	2.1	3.1	3.2	3.2	3.2	3.1
2.2	3.2	3.2	2.2	2.1	3.2	2.2	3.2	3.2	2.2	2.1
3.2	4.3	4.3	3.2	3.2	3.3	2.1	4.1	4.1	2.1	2.1
3.3	3.2	3.2	3.1	3.3	4.3	3.1	2.1	2.1	1.1	3.1
3.3	3.2	3.2	3.2	3.3	3.2	3.2	2.2	2.2	2.2	3.2
1.1	1.1	1.1	1.1	2.1	3.1	1.1	1.1	1.1	1.1	2.1
3.3	3.2	3.2	3.2	3.3	3.2	3.2	2.2	2.2	2.2	3.2
1.1	2.1	2.1	1.1	2.1	2.1	3.1	3.2	3.2	3.1	3.2
3.1	2.1	2.1	3.1	3.1	2.1	3.2	2.2	2.2	3.2	3.2
3.3	3.2	3.2	3.1	3.3	3.2	3.2	2.2	2.2	2.1	3.2
3.3	4.3	4.3	3.1	3.3	4.3	3.2	4.2	4.2	2.1	3.2
2.2	5.2	5.2	4.2	2.2	3.2	4.2	5.4	5.4	4.4	4.2
4.1	1.1	1.1	2.1	1.1	3.1	4.1	1.1	1.1	2.1	1.1
2.2	3.2	3.2	3.2	2.2	4.2	4.2	4.3	4.3	4.3	4.2
4.4	4.4	4.4	4.2	4.4	4.3	4.2	4.2	4.2	2.2	4.2
4.4	4.1	4.1	4.2	4.4	4.3	4.2	2.1	2.1	2.2	4.2
3.3	3.2	3.2	4.3	3.3	4.3	4.3	4.2	4.2	4.4	4.3
2.2	3.2	3.2	4.2	2.2	2.2	4.2	4.3	4.3	4.4	4.2
3.3	3.2	3.2	3.1	3.3	3.3	3.3	3.2	3.2	3.1	3.3
2.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2	3.2	2.2	2.2
3.3	3.3	3.3	3.1	3.3	4.3	3.1	3.1	3.1	1.1	3.1
2.2	3.2	3.2	3.2	2.2	4.2	4.2	4.3	4.3	4.3	4.2
1.1	4.1	4.1	3.1	1.1	2.1	1.1	4.1	4.1	3.1	1.1
4.4	4.2	4.2	4.1	4.4	4.4	4.4	4.2	4.2	4.1	4.4

3.3	3.2	3.2	3.2	3.3	3.1	3.1	2.1	2.1	2.1	3.1
3.3	3.2	3.2	3.2	3.3	3.1	3.1	2.1	2.1	2.1	3.1
4.2	2.1	2.1	2.2	4.2	2.1	4.1	1.1	1.1	2.1	4.1
2.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2	3.2	2.2	2.2
2.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2	3.2	2.2	2.2
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4.1	4.3	4.3	4.2	4.4	4.2	1.1	3.1	3.1	2.1	4.1
2.2	3.2	3.2	2.1	2.2	2.2	2.2	3.2	3.2	2.1	2.2
1.1	3.1	3.1	2.1	1.1	1.1	2.1	3.2	3.2	2.2	2.1
1.1	2.1	2.1	3.1	1.1	1.1	1.1	2.1	2.1	3.1	1.1

Draft

13x9	13x7	17x2	17x3	17x4	17x6	17x8	17x9	17x13	17x7	20x2
0.02529299	-0.1215304	-0.2722113	0.19980686	0.05631569	-0.1053972	-0.1620528	-0.0685403	-0.23481	0.02323605	0.06677783
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	1.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1
2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1
2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1
2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1
2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1
2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1
2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1
2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
3.1	4.3	2.1	4.2	4.2	4.2	2.1	2.1	3.2	4.2	3.1
3.1	1.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	3.1	3.1
3.1	3.1	3.1	3.1	3.1	3.2	3.1	3.1	3.3	3.1	3.1
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3.1	3.1	1.1	1.1	1.1	2.1	1.1	1.1	3.1	1.1	3.1
3.1	3.1	1.1	1.1	1.1	1.1	1.1	1.1	3.1	1.1	3.1
2.1	3.2	1.1	3.1	3.1	3.1	1.1	1.1	2.1	3.1	3.1
2.1	3.2	1.1	3.1	3.1	3.1	1.1	1.1	2.1	3.1	3.1

2.1	3.2	1.1	3.1	3.1	3.1	1.1	1.1	2.1	3.1	3.1
2.1	3.2	1.1	3.1	3.1	3.1	1.1	1.1	2.1	3.1	3.1
3.2	3.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	2.2	3.2
4.1	1.1	4.4	4.3	4.3	4.1	4.4	4.4	4.1	4.1	4.2
2.1	3.1	2.2	4.2	4.2	2.1	2.2	2.2	2.1	3.2	4.2
4.3	4.3	3.3	3.2	3.2	3.3	3.3	3.3	4.3	3.3	4.3
4.1	2.1	4.4	4.2	4.2	4.2	4.4	4.4	4.1	4.2	4.3
4.1	4.1	4.3	4.3	4.3	4.2	4.1	4.1	4.4	4.1	4.3
2.1	4.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	4.2	2.1
2.1	1.1	3.2	3.3	3.3	3.3	3.2	3.2	3.1	3.1	2.1
2.1	3.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	3.2	2.1
2.1	2.2	1.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	1.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1
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2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	1.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	2.1	2.1
2.1	3.1	2.2	4.2	4.2	2.1	2.2	2.2	2.1	3.2	2.1
2.1	1.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1
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2.1	3.1	2.2	4.2	4.2	2.1	2.2	2.2	2.1	3.2	2.1
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3.1	1.1	3.3	3.2	3.2	3.1	3.3	3.3	3.1	3.1	3.1
3.1	3.3	1.1	2.1	2.1	3.1	1.1	1.1	3.1	3.1	3.1
3.1	3.3	2.1	4.2	4.2	3.2	2.1	2.1	3.2	3.2	3.1

3.1	3.2	4.1	4.4	4.4	4.3	4.1	4.1	4.3	4.2	3.1
3.1	3.3	1.1	4.1	4.1	2.1	1.1	1.1	3.1	3.1	3.1
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3.1	3.2	2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.2	3.1
3.1	4.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	4.3	3.1
4.3	4.1	3.3	3.1	3.1	3.2	3.3	3.3	4.3	3.1	3.1
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4.1	2.1	4.2	3.2	3.2	2.2	4.2	4.2	2.1	2.2	4.1
4.1	2.1	4.4	4.1	4.1	4.3	4.4	4.4	4.1	4.2	4.1
3.1	2.1	3.3	3.2	3.2	3.2	3.3	3.3	3.1	3.2	3.2
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3.2	3.3	2.2	2.1	2.1	2.1	2.2	2.2	3.2	3.2	2.1
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3.1	4.1	3.3	3.2	3.2	3.1	3.3	3.3	3.1	4.3	3.2
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2.1	2.1	4.1	4.3	4.3	4.2	4.1	4.1	4.2	4.1	2.1
2.1	2.1	3.1	4.3	4.3	3.2	3.1	3.1	3.2	3.1	2.1
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4.2	4.4	3.1	3.3	3.3	3.2	3.1	3.2	4.3	4.3	4.1

4.1	4.1	2.1	2.2	2.2	2.2	2.1	2.1	4.2	2.1	4.1
4.1	4.4	1.1	4.1	4.1	2.1	1.1	1.1	4.1	4.1	4.1
2.1	2.1	1.1	1.1	1.1	4.1	1.1	1.1	2.1	1.1	4.1
2.1	2.1	2.1	3.2	3.2	4.2	2.1	2.1	2.2	2.1	4.1
4.3	3.1	4.1	5.1	5.1	3.1	4.1	4.1	3.1	1.1	5.4
3.1	3.3	3.2	4.3	4.3	3.2	3.2	3.1	3.3	3.3	3.2
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2.1	3.2	1.1	4.1	4.1	4.1	1.1	1.1	2.1	3.1	2.1
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3.1	4.3	2.1	2.2	2.2	2.2	2.1	2.1	3.2	4.2	3.1
3.1	4.3	1.1	2.1	1.1	2.1	1.1	1.1	3.1	4.1	3.1
3.1	5.3	4.1	4.4	4.4	4.2	4.1	4.1	4.3	5.4	3.1
3.1	3.2	2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.2	3.1
3.1	3.2	2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.2	3.1
2.1	2.2	1.1	2.1	2.1	3.1	1.1	1.1	2.1	2.1	3.1
3.1	3.3	2.1	2.2	2.2	2.2	2.1	2.1	3.2	3.2	4.1
4.1	2.1	4.3	3.2	3.2	3.1	3.3	4.3	3.1	3.2	4.1
4.2	4.3	3.1	3.3	3.3	4.3	3.1	3.2	4.3	3.3	4.1
3.1	2.1	1.1	4.1	4.1	2.1	1.1	3.1	1.1	2.1	4.1

4.1	4.4	3.1	4.3	4.3	3.2	3.1	3.1	4.3	4.3	4.1
4.1	4.2	3.1	3.3	3.3	4.3	3.1	3.1	4.3	3.2	4.1
3.2	3.3	2.1	1.1	1.1	1.1	2.1	2.1	3.1	3.1	2.1
3.2	3.3	3.2	3.2	3.2	3.1	3.2	3.2	3.3	3.3	3.2
2.1	4.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	4.2	3.2
3.2	3.3	2.2	4.2	4.2	3.2	2.2	2.2	3.2	3.2	3.2
3.2	3.3	3.2	3.2	3.2	3.2	2.2	2.2	3.2	3.2	3.3
3.2	3.3	3.2	3.2	3.2	3.2	2.2	2.2	3.2	3.2	3.3
3.2	3.3	4.2	4.4	4.4	4.1	4.2	4.2	4.3	4.3	3.2
3.2	4.2	3.3	3.2	3.2	3.2	3.3	3.3	3.2	4.3	3.2
3.2	4.3	2.2	4.2	4.2	4.2	2.2	2.2	3.2	4.2	3.2
4.2	4.3	2.2	4.2	4.2	4.2	2.2	2.2	4.2	3.2	4.2
3.1	1.1	3.2	2.1	2.1	3.2	2.2	3.2	2.1	2.1	4.3
4.2	3.2	4.4	4.2	4.2	4.2	4.4	4.4	4.2	4.3	4.2
4.1	4.4	2.2	3.2	3.2	2.1	2.1	2.1	4.2	4.2	4.2
4.2	3.2	4.4	4.2	4.2	4.2	4.4	4.4	4.2	4.3	4.2
4.2	2.2	4.4	4.3	4.3	4.2	4.4	4.4	4.2	4.2	4.2
4.2	2.2	4.4	4.4	4.4	4.1	4.4	4.4	4.2	4.2	4.3
4.3	3.3	4.1	2.1	2.1	1.1	4.1	4.1	3.1	3.1	4.3
4.3	4.1	3.3	3.2	3.2	3.1	3.3	3.3	4.3	3.1	4.3
4.3	3.1	4.2	2.2	2.2	2.2	4.2	4.2	3.2	2.1	4.3
4.3	4.4	4.3	4.2	4.2	4.1	4.3	4.3	4.4	4.4	4.3
2.2	2.2	2.2	2.2	2.2	2.2	4.2	2.2	2.2	2.2	3.2
4.3	4.4	3.2	2.2	2.2	2.2	3.2	3.2	4.2	4.2	4.3
3.1	4.1	3.3	3.2	3.2	4.3	3.3	3.3	3.1	4.3	4.3
2.2	2.1	3.3	3.2	3.2	3.2	3.3	3.2	3.2	3.1	4.3
2.1	1.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	2.1	2.1
5.1	5.3	6.1	6.1	6.1	6.2	6.1	6.1	6.5	6.3	2.1

3.1	3.2	2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.2	3.1
3.1	3.3	1.1	2.1	2.1	3.1	1.1	1.1	3.1	3.1	3.1
3.2	2.2	1.1	2.1	2.1	2.1	3.1	3.1	2.1	2.1	4.1
2.1	4.2	3.1	3.3	3.3	4.3	3.1	3.1	3.2	4.3	4.1
5.1	5.5	4.1	4.4	4.4	4.2	4.1	4.1	5.4	5.4	5.1
2.1	4.1	2.2	4.2	4.2	3.2	2.2	2.2	2.1	4.2	3.2
3.2	2.2	3.2	4.2	4.2	2.1	3.2	3.2	2.2	2.2	3.2
3.2	2.2	3.3	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.2
3.2	4.3	2.2	2.2	2.2	3.2	2.2	2.2	3.2	4.2	3.2
4.2	4.3	3.2	3.3	3.3	3.3	3.2	3.2	4.3	3.3	4.2
4.2	4.3	3.2	3.3	3.3	3.3	3.2	3.2	4.3	3.3	4.2
4.2	4.4	2.2	4.2	4.2	3.2	2.2	2.2	4.2	4.2	4.2
2.1	2.2	3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.2	2.1
2.1	2.2	3.1	4.3	4.3	3.2	3.1	3.1	3.2	3.2	2.1
3.1	2.1	1.1	2.1	2.1	2.1	1.1	3.1	1.1	2.1	2.1
3.1	2.1	1.1	2.1	2.1	2.1	1.1	3.1	1.1	2.1	2.1
2.1	2.1	1.1	2.1	2.1	2.1	1.1	2.1	1.1	2.1	2.1
2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1
4.1	3.1	1.1	3.1	3.1	3.1	1.1	4.1	1.1	3.1	3.1
4.1	3.1	1.1	3.1	3.1	3.1	1.1	4.1	1.1	3.1	3.1
2.1	3.1	1.1	3.1	3.1	3.1	1.1	2.1	1.1	3.1	3.1
3.1	3.1	1.1	3.1	3.1	3.1	1.1	3.1	1.1	3.1	3.1
3.2	2.2	3.1	3.1	3.1	2.1	3.1	3.1	2.1	2.1	4.3
4.1	4.2	3.1	3.2	3.2	4.3	3.1	3.1	4.3	3.2	4.1
3.1	2.1	3.3	3.2	3.2	3.2	3.3	3.3	3.1	3.2	3.2
3.2	4.2	3.1	1.1	1.1	1.1	3.1	3.1	2.1	4.1	3.2
3.2	3.3	2.1	1.1	1.1	1.1	2.1	2.1	3.1	3.1	2.1
2.1	3.1	2.2	4.2	4.2	2.1	2.2	2.2	2.1	3.2	2.1

2.1	2.2	3.1	4.3	4.3	3.2	3.1	3.1	3.2	3.2	2.1
2.1	2.2	3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.2	2.1
2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1
3.1	3.2	1.1	2.1	2.1	3.1	1.1	1.1	3.1	2.1	2.1
3.1	3.2	1.1	3.1	3.1	2.1	1.1	1.1	3.1	2.1	2.1
2.1	1.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	2.1	2.1
2.1	1.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	2.1	2.1
2.1	1.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1
3.1	2.1	3.3	4.3	4.3	3.1	3.3	3.3	3.1	3.2	3.1
3.2	3.3	1.1	4.1	4.1	3.1	2.1	2.1	3.1	3.1	3.1
4.2	2.1	4.1	2.1	2.1	4.1	1.1	4.1	2.1	1.1	4.3
3.1	3.1	2.1	4.2	4.2	2.1	2.1	2.1	3.2	2.1	3.1
3.1	3.3	2.1	2.2	2.2	2.2	2.1	2.1	3.2	3.2	4.1
3.1	3.3	2.1	2.2	2.2	2.2	2.1	2.1	3.2	3.2	4.1
3.1	3.3	2.1	2.2	2.2	2.2	2.1	2.1	3.2	3.2	3.1
3.1	3.3	2.1	4.2	4.2	2.2	2.1	2.1	3.2	3.2	3.1
3.1	4.3	1.1	4.1	4.1	2.1	1.1	1.1	3.1	4.1	3.1
4.1	4.4	1.1	3.1	3.1	2.1	1.1	1.1	4.1	4.1	3.1
4.2	2.2	4.1	2.1	2.1	2.1	4.1	4.1	2.1	2.1	4.3
3.1	3.3	2.1	2.2	2.2	2.2	2.1	2.1	3.2	3.2	3.1
3.1	4.3	1.1	3.1	3.1	2.1	1.1	1.1	3.1	4.1	3.1
3.2	4.3	2.1	3.2	3.2	2.2	2.1	2.2	3.2	4.2	4.1
2.1	2.1	1.1	1.1	3.1	2.1	1.1	1.1	2.1	1.1	4.1
4.1	4.4	3.1	3.3	3.3	3.2	3.1	3.1	4.3	4.3	2.1
4.1	4.3	1.1	2.1	2.1	2.1	1.1	1.1	4.1	3.1	4.1
4.1	3.1	4.4	4.2	4.2	4.3	4.4	4.4	4.1	4.3	4.1
4.1	4.1	3.1	3.1	3.1	3.2	3.1	3.1	4.3	3.1	4.1
4.1	4.2	3.1	3.2	3.2	4.3	3.1	3.1	4.3	3.2	4.1

3.1	2.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	3.2	3.2
3.2	2.2	3.1	1.1	1.1	1.1	3.1	3.1	2.1	2.1	4.3
3.2	4.3	2.2	3.2	3.2	3.2	2.2	2.2	3.2	4.2	3.2
3.2	3.2	2.2	3.2	3.2	2.2	2.2	2.2	3.2	2.2	3.2
3.2	4.3	2.2	3.2	3.2	2.2	4.2	2.2	3.2	4.2	3.2
3.2	3.2	2.2	3.2	3.2	2.2	2.2	2.2	3.2	2.2	3.2
4.3	3.3	2.2	3.2	3.2	2.2	2.2	4.2	3.2	3.2	3.2
1.1	1.1	2.1	4.1	4.1	1.1	2.1	1.1	1.1	1.1	3.2
3.2	2.2	3.3	4.3	4.3	3.2	3.3	3.3	3.2	3.2	3.2
3.2	3.1	2.2	4.2	4.2	2.1	2.2	2.2	3.2	2.1	3.2
3.2	4.2	3.3	3.2	3.2	3.2	3.3	3.3	3.2	4.3	3.2
3.2	4.2	3.3	3.2	3.2	3.2	3.3	3.3	3.2	4.3	3.2
3.1	2.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	3.2	3.2
3.1	2.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	3.2	3.2
3.2	2.2	3.3	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.2
4.2	3.2	4.4	4.4	4.4	4.3	4.4	4.4	4.2	4.3	4.2
3.1	3.1	2.2	3.2	3.2	2.1	2.2	2.1	3.2	2.1	4.2
4.2	3.2	4.4	4.2	4.2	4.3	4.4	4.4	4.2	4.3	4.2
4.2	3.2	4.4	4.1	4.1	4.3	4.4	4.4	4.2	4.3	4.2
4.2	2.2	4.3	3.3	3.3	3.3	4.3	4.3	3.2	3.2	4.2
4.2	2.2	4.4	4.3	4.3	4.2	4.4	4.4	4.2	4.2	4.2
4.2	3.2	4.4	4.2	4.2	4.3	4.4	4.4	4.2	4.3	4.2
3.1	3.1	4.4	4.3	4.3	4.1	4.4	4.1	4.3	4.1	4.2
4.2	4.3	2.2	2.2	2.2	4.2	2.2	2.2	4.2	3.2	4.2
4.3	4.4	3.2	2.2	2.2	2.1	3.2	3.2	4.2	4.2	3.2
4.3	3.2	4.2	2.1	2.1	2.2	4.2	4.2	3.2	2.2	4.3
4.1	2.1	4.4	4.3	4.3	4.1	4.4	4.4	4.1	4.2	4.3
3.1	4.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	4.3	4.3

5.4	4.2	5.1	2.1	2.1	3.1	5.1	5.1	4.1	2.1	5.4
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	3.1	4.3	4.3	3.2	3.1	3.1	3.2	3.2	2.1
2.1	5.2	3.1	6.3	6.3	4.3	3.1	3.1	3.2	5.3	2.1
2.2	3.2	1.1	2.1	2.1	1.1	4.1	2.1	2.1	3.1	2.1
3.1	1.1	3.3	3.2	3.2	3.1	3.3	3.3	3.1	3.1	3.1
2.1	2.1	1.1	2.1	2.1	3.1	1.1	2.1	1.1	2.1	3.1
3.1	1.1	1.1	4.1	4.1	2.1	1.1	3.1	1.1	1.1	3.1
3.2	3.2	1.1	2.1	2.1	2.1	1.1	2.1	3.1	2.1	3.1
3.1	3.2	5.1	5.1	5.1	5.4	5.1	5.1	5.3	5.2	3.1
2.2	2.2	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1
4.1	4.3	2.1	2.2	2.2	4.2	2.1	2.1	4.2	3.2	4.1
5.1	3.1	1.1	2.1	2.1	4.1	1.1	5.1	1.1	3.1	4.1
3.3	3.3	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	4.3
4.2	4.4	4.2	4.4	4.4	4.4	4.2	4.2	4.4	4.4	3.2
3.2	4.3	2.2	3.2	3.2	3.2	2.2	2.2	3.2	4.2	3.2
3.2	2.1	3.1	1.1	1.1	1.1	3.1	3.1	2.1	1.1	3.2
3.2	2.2	3.3	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.2
4.3	4.2	3.3	3.2	3.2	5.3	3.3	3.3	4.3	3.2	3.2
3.3	3.3	2.2	3.2	3.2	3.2	2.2	3.2	3.2	3.2	4.2
3.1	2.1	4.4	4.2	4.2	4.1	4.4	4.3	4.1	4.2	4.2
3.1	3.3	4.4	4.3	4.3	4.2	4.4	4.1	4.3	4.3	4.3
2.1	1.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	2.1	2.1
2.1	1.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1
3.2	2.1	1.1	4.1	4.1	2.1	3.1	3.1	2.1	1.1	2.1

3.1	3.3	1.1	4.1	4.1	2.1	1.1	1.1	3.1	3.1	2.1
3.1	3.3	1.1	4.1	4.1	2.1	1.1	1.1	3.1	3.1	2.1
2.1	3.1	2.2	2.1	2.1	3.2	2.2	2.2	2.1	3.2	2.1
3.1	1.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	3.1	3.1
3.1	3.1	1.1	2.1	2.1	3.1	1.1	1.1	3.1	1.1	3.1
4.2	4.1	1.1	3.1	3.1	4.1	2.1	2.1	4.1	1.1	3.1
2.1	2.1	1.1	4.1	4.1	2.1	1.1	1.1	2.1	1.1	3.1
3.1	3.2	1.1	4.1	4.1	4.1	1.1	1.1	3.1	2.1	3.1
4.1	4.4	2.1	3.2	3.2	2.2	2.1	2.1	4.2	4.2	4.1
4.1	4.3	5.1	5.5	5.5	5.2	5.1	5.1	5.4	5.3	4.1
4.1	1.1	4.3	3.3	3.3	3.2	4.3	4.3	3.1	3.1	4.1
2.1	2.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.2	3.2
3.2	3.2	3.3	4.3	4.3	3.2	3.3	3.3	3.2	3.3	3.2
3.1	1.1	3.3	4.3	4.3	3.1	3.3	3.3	3.1	3.1	3.2
3.2	2.2	4.3	4.4	4.4	4.1	4.3	4.3	4.2	4.2	3.2
3.2	4.2	3.3	3.3	3.3	3.1	3.3	3.3	3.2	4.3	3.2
4.1	4.1	2.2	2.1	2.1	2.1	2.2	4.2	2.1	4.2	3.2
4.1	4.1	2.2	2.1	2.1	2.1	2.2	4.2	2.1	4.2	3.2
4.2	3.2	4.4	4.2	4.2	4.2	4.4	4.4	4.2	4.3	4.2
4.1	4.1	4.4	4.3	4.3	4.1	4.4	4.4	4.1	4.4	4.2
2.1	2.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	2.2	4.2
4.2	4.3	2.2	2.2	2.2	4.2	2.2	2.2	4.2	3.2	4.2
4.2	2.2	4.3	3.3	3.3	3.2	4.3	4.3	3.2	3.2	4.2
4.2	4.1	3.2	3.1	3.1	5.3	3.2	3.2	4.3	3.1	4.2
4.3	3.3	4.4	4.2	4.2	4.3	4.4	4.4	4.3	4.3	4.3
3.1	1.1	4.4	4.2	4.2	4.4	4.4	4.3	4.1	4.1	4.3
4.3	4.1	3.2	2.2	2.2	2.2	3.2	3.2	4.2	2.1	4.3
3.2	2.2	3.3	4.3	4.3	3.1	3.3	3.3	3.2	3.2	4.3

3.2	4.2	3.3	3.2	3.2	3.2	3.3	3.3	3.2	4.3	4.3
4.3	3.3	4.2	4.2	4.2	2.1	4.2	4.2	3.2	3.2	4.2
2.1	3.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	3.2	2.1
2.1	3.1	2.2	4.2	4.2	2.1	2.2	2.2	2.1	3.2	2.1
2.1	1.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1
2.1	3.1	2.2	4.2	4.2	2.1	2.2	2.2	2.1	3.2	2.1
3.1	3.3	1.1	3.1	3.1	2.1	1.1	1.1	3.1	3.1	2.1
2.1	3.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	3.1	2.1
2.2	2.2	2.1	2.2	2.2	2.1	2.1	2.2	2.2	2.2	3.1
3.1	4.3	1.1	4.1	4.1	2.1	1.1	1.1	3.1	4.1	3.1
3.1	3.3	2.1	4.2	4.2	2.2	2.1	2.1	3.2	3.2	3.1
2.1	2.2	1.1	3.1	3.1	3.1	1.1	1.1	2.1	2.1	3.1
4.1	1.1	4.2	3.2	3.2	2.2	4.2	4.2	2.1	2.1	4.1
4.1	3.1	4.4	4.2	4.2	4.1	4.4	4.4	4.1	4.3	4.1
2.1	2.2	1.1	3.1	3.1	3.1	1.1	1.1	2.1	2.1	4.1
4.1	4.1	2.1	2.1	2.1	3.2	2.1	2.1	4.2	2.1	4.1
3.1	4.3	1.1	4.1	4.1	2.1	1.1	1.1	3.1	4.1	4.1
3.2	2.1	3.3	4.3	4.3	3.2	3.3	3.3	3.2	3.1	3.2
1.1	1.1	3.1	1.1	1.1	1.1	3.1	1.1	1.1	1.1	3.2
3.2	4.2	3.3	3.1	3.1	3.1	3.3	3.3	3.2	4.3	3.2
3.2	4.3	2.2	2.1	2.1	2.1	2.2	2.2	3.2	4.2	3.2
2.2	2.1	3.3	4.3	4.3	3.1	3.3	3.2	3.2	3.1	3.2
3.2	3.2	3.3	3.1	3.1	3.3	3.3	3.3	3.2	3.3	3.2
3.2	3.2	2.2	2.1	2.1	2.2	2.2	2.2	3.2	2.2	3.2
3.2	3.3	2.2	4.2	4.2	3.2	2.2	2.2	3.2	3.2	3.2
3.2	5.3	2.2	3.2	3.2	2.1	4.2	2.2	3.2	5.2	3.2
3.1	3.1	4.4	4.3	4.3	4.1	4.4	4.3	4.1	4.3	4.2
4.2	3.2	4.4	4.1	4.1	4.2	4.4	4.4	4.2	4.3	4.2

3.1	1.1	4.3	3.1	3.1	3.1	4.3	3.3	3.1	3.1	4.2
4.2	4.2	2.2	3.2	3.2	2.1	2.2	2.2	4.2	2.2	4.2
4.2	2.2	4.4	4.1	4.1	4.1	4.4	4.4	4.2	4.2	4.3
4.2	2.1	4.4	4.3	4.3	4.2	4.4	4.4	4.2	4.1	4.2
4.2	3.2	4.4	4.2	4.2	4.2	4.4	4.4	4.2	4.3	4.2
3.2	3.2	2.1	2.1	2.1	2.1	2.2	2.2	3.2	2.2	4.1
4.2	3.2	4.4	4.2	4.2	4.2	4.4	4.4	4.2	4.3	4.3
4.1	2.1	4.4	4.1	4.1	4.3	4.4	4.4	4.1	4.2	4.3
1.1	1.1	3.1	2.1	2.1	1.1	3.1	1.1	1.1	1.1	4.3
4.2	2.1	4.4	4.2	4.2	4.3	4.4	4.4	4.2	4.1	4.3
4.3	4.4	3.2	2.2	2.2	2.2	3.2	3.2	4.2	4.2	4.3
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	3.2	1.1	3.1	3.1	3.1	1.1	1.1	2.1	3.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	1.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	2.1	2.1
2.1	1.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1
3.1	4.3	1.1	3.1	3.1	2.1	1.1	1.1	3.1	4.1	3.1
3.1	3.3	1.1	4.1	4.1	2.1	1.1	1.1	3.1	3.1	3.1
3.1	3.2	1.1	3.1	3.1	2.1	1.1	1.1	3.1	2.1	3.1
3.1	4.3	1.1	2.1	2.1	2.1	1.1	1.1	3.1	4.1	3.1
3.3	3.3	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	4.3
4.2	4.4	1.1	3.1	3.1	5.1	1.1	2.1	4.1	4.1	5.1
3.1	1.1	3.3	3.2	4.3	3.2	3.3	3.3	3.1	3.1	3.2
3.1	1.1	3.3	3.2	3.2	3.2	3.3	3.3	3.1	3.1	3.2

2.1	4.2	3.3	3.2	3.2	3.1	3.3	3.1	3.2	4.3	3.2
3.2	2.2	3.3	3.2	3.2	3.2	3.1	3.3	3.2	3.2	3.2
3.2	3.3	2.1	4.1	4.1	1.1	2.1	2.1	3.1	3.1	3.2
3.2	4.3	2.2	3.2	3.2	3.2	2.2	2.2	3.2	4.2	3.2
4.2	4.3	2.2	4.2	4.2	4.2	2.2	2.2	4.2	3.2	3.2
3.2	4.3	2.2	3.2	3.2	3.2	2.2	2.2	3.2	4.2	3.2
3.1	2.1	3.3	3.1	3.1	3.1	3.3	3.3	3.1	3.2	3.2
3.1	2.1	3.3	3.2	3.2	3.2	3.3	3.3	3.1	3.2	3.2
3.2	3.2	2.1	2.1	2.1	1.1	2.1	2.1	3.1	2.1	3.2
2.1	3.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	3.2	3.2
4.2	2.2	4.2	2.1	2.1	3.2	4.2	4.2	2.2	2.2	4.2
4.1	1.1	4.4	4.2	4.2	4.3	4.4	4.4	4.1	4.1	4.2
4.1	1.1	4.4	4.3	4.3	4.2	4.4	4.4	4.1	4.1	4.2
4.1	1.1	4.4	4.3	4.3	4.3	4.4	4.4	4.1	4.1	4.2
4.1	1.1	4.4	4.1	4.1	4.3	4.4	4.4	4.1	4.1	4.2
4.2	2.2	4.1	3.1	3.1	2.1	4.1	4.1	2.1	2.1	4.2
3.2	4.3	2.2	4.2	4.2	4.2	2.2	2.2	3.2	4.2	4.2
4.2	4.3	2.2	2.1	2.1	2.1	2.2	2.2	4.2	3.2	4.2
4.2	4.2	4.1	3.1	3.1	1.1	4.1	4.1	2.1	4.1	4.2
4.2	4.2	3.2	3.3	3.3	3.3	3.2	3.2	4.3	3.2	4.2
2.1	1.1	2.2	5.2	5.2	3.2	2.2	2.2	2.1	2.1	5.2
4.2	2.2	4.4	4.3	4.3	4.3	4.4	4.4	4.2	4.2	4.3
2.2	4.2	3.2	2.2	2.2	2.1	2.2	2.2	2.2	4.2	4.3
3.1	2.1	3.3	4.3	4.3	3.1	3.3	3.3	3.1	3.2	4.3
4.3	4.3	4.4	4.2	4.2	4.2	4.4	4.4	4.3	4.4	4.3
5.3	3.3	5.5	5.2	5.2	5.2	5.5	5.5	5.3	5.3	5.2
4.4	4.3	4.1	4.1	4.1	5.1	4.1	4.1	4.1	3.1	4.2
2.1	1.1	3.1	2.1	2.1	4.1	3.1	2.1	1.1	1.1	3.2

2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	1.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1
2.1	3.1	2.2	4.2	4.2	2.1	2.2	2.2	2.1	3.2	2.1
3.2	3.2	4.1	4.3	4.3	4.1	4.1	4.2	4.3	4.2	2.1
3.1	4.3	4.1	4.2	4.2	4.2	4.1	4.1	4.3	4.4	3.1
3.1	3.3	2.1	4.2	4.2	5.2	2.1	2.1	3.2	3.2	6.1
1.1	4.1	3.1	3.1	3.1	3.1	3.3	3.1	3.1	4.3	2.1
3.2	3.3	2.1	2.1	2.1	1.1	2.1	2.1	3.1	3.1	4.2
4.2	3.2	3.3	3.1	3.1	3.2	4.3	4.3	3.2	3.3	3.2
3.2	3.2	3.2	3.2	3.2	2.2	3.2	3.2	2.2	3.2	3.2
2.1	2.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.2	3.2
3.2	3.2	3.3	4.3	4.3	4.3	3.3	3.3	3.2	3.3	3.2
3.1	3.1	3.1	1.1	1.1	1.1	3.1	3.1	1.1	3.1	3.2
2.1	2.2	2.1	3.2	3.2	2.1	2.2	2.1	2.2	2.2	4.1
4.2	2.2	4.2	3.2	3.2	2.1	4.2	4.2	2.2	2.2	4.2
2.1	2.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	2.2	4.2
4.1	4.4	2.2	4.2	4.2	2.1	2.2	2.1	4.2	4.2	4.2
4.3	4.3	3.2	2.2	2.2	3.2	3.2	3.2	4.2	3.2	4.3
4.2	4.2	4.4	4.2	4.2	4.1	4.4	4.4	4.2	4.4	4.3
2.1	3.1	3.1	1.1	1.1	1.1	3.1	2.1	1.1	3.1	4.3
4.3	4.3	4.4	4.2	4.2	4.3	4.4	4.4	4.3	4.4	4.3
3.1	3.1	3.2	2.2	2.2	2.1	3.2	3.2	2.1	3.2	4.3
2.1	6.2	4.1	4.3	4.3	5.4	4.1	4.1	4.2	6.4	2.1
2.1	6.2	4.1	4.3	4.3	5.4	4.1	4.1	4.2	6.4	2.1
2.1	6.2	3.1	4.3	4.3	5.3	3.1	3.1	3.2	6.3	2.1
3.1	3.1	2.2	4.2	4.2	2.1	3.2	3.2	2.1	3.2	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1

2.1	2.2	1.1	2.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1
3.2	2.1	3.3	3.1	3.1	3.2	3.3	3.3	3.2	3.1	3.1
2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	3.1
2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	3.1
3.1	3.3	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1	2.1
3.3	3.3	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	2.1
2.2	2.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	1.1	3.1
3.1	3.3	1.1	3.1	3.1	2.1	1.1	1.1	3.1	3.1	3.1
3.1	4.1	3.3	3.2	3.2	3.2	3.3	3.3	3.1	4.3	3.1
3.1	1.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	3.1	3.1
3.1	4.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	4.3	3.1
3.1	2.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	3.2	3.1
4.1	4.3	5.1	5.1	5.1	5.2	5.1	5.1	5.4	5.3	4.1
4.1	4.4	3.1	3.2	3.2	3.2	3.1	3.1	4.3	4.3	2.1
3.2	3.3	2.1	3.1	3.1	3.1	1.1	2.1	3.1	3.1	4.2
4.1	4.3	2.1	3.2	3.2	3.2	2.1	2.1	4.2	3.2	4.1
4.4	4.4	1.1	3.1	2.1	4.1	1.1	4.1	4.1	4.1	2.1
4.4	4.4	1.1	3.1	1.1	4.1	2.1	4.1	4.1	4.1	2.1
4.3	3.3	1.1	4.1	1.1	3.1	1.1	4.1	3.1	3.1	2.1
4.1	3.1	4.4	4.2	4.2	4.1	4.4	4.4	4.1	4.3	4.1
5.4	4.4	1.1	3.1	1.1	4.1	1.1	5.1	4.1	4.1	2.1
3.1	2.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	3.2	3.2

3.2	2.2	3.3	3.2	3.2	3.1	3.3	3.3	3.2	3.2	3.2
3.1	3.1	3.3	4.3	4.3	3.2	3.3	3.3	3.1	3.3	3.2
3.2	3.2	2.2	3.2	3.2	2.2	2.2	2.2	3.2	2.2	3.2
2.1	1.1	3.3	4.3	4.3	3.1	3.3	3.2	3.1	3.1	3.2
3.2	2.2	3.3	3.2	3.2	4.3	3.3	3.3	3.2	3.2	3.2
3.2	3.3	2.2	3.2	3.2	2.1	2.2	2.2	3.2	3.2	3.2
1.1	2.1	3.3	3.2	3.2	3.3	3.3	3.1	3.1	3.2	3.2
4.2	4.3	2.1	1.1	1.1	4.1	2.1	2.1	4.1	3.1	4.2
1.1	2.1	2.2	3.2	3.2	2.1	2.2	2.1	2.1	2.2	4.2
4.2	4.4	2.2	4.2	4.2	2.1	2.2	2.2	4.2	4.2	4.2
4.3	3.2	4.4	4.3	4.3	4.2	4.4	4.4	4.3	4.2	4.2
1.1	3.1	2.2	2.1	2.1	2.1	2.2	2.1	2.1	3.2	4.2
4.2	2.2	2.2	2.2	2.2	2.1	4.2	4.2	2.2	2.2	3.2
1.1	2.1	2.2	2.2	2.2	2.1	3.2	2.1	2.1	2.2	4.2
2.1	4.1	3.1	2.1	2.1	4.1	3.1	2.1	1.1	4.1	3.2
2.1	1.1	2.1	2.1	2.1	2.1	4.1	2.1	1.1	1.1	3.2
2.1	2.1	2.1	3.2	3.2	3.2	2.1	2.1	2.2	2.1	2.1
3.2	3.1	1.1	4.1	4.1	2.1	1.1	2.1	3.1	1.1	3.1
2.1	2.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	3.1
4.1	1.1	4.3	3.2	3.2	3.3	4.3	4.3	3.1	3.1	4.1
3.1	4.3	2.2	2.2	2.2	2.1	2.2	2.1	3.2	4.2	3.2
4.1	4.4	2.1	4.2	4.2	4.2	2.2	2.1	4.2	4.2	3.1
3.2	3.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	2.2	3.2
4.2	4.2	4.2	3.2	3.2	2.1	4.2	4.2	2.2	4.2	4.2
2.1	2.2	1.1	3.1	3.1	3.1	1.1	1.1	2.1	2.1	2.1
3.1	3.3	1.1	2.1	2.1	2.1	1.1	1.1	3.1	3.1	2.1
2.1	4.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	4.2	2.1
2.1	4.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	4.2	2.1

2.1	1.1	2.2	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1
4.1	1.1	2.2	2.1	2.1	2.1	4.2	4.2	2.1	2.1	2.1
2.1	3.1	2.2	4.2	4.2	2.1	2.2	2.2	2.1	3.2	2.1
2.1	4.1	3.1	2.1	2.1	2.1	2.1	2.1	1.1	4.1	3.2
2.1	3.1	2.2	4.2	4.2	2.1	2.2	2.2	2.1	3.2	2.1
2.1	2.1	1.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1
2.1	2.1	1.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1
4.4	4.2	1.1	2.1	2.1	1.1	1.1	4.1	4.1	2.1	2.1
3.3	3.2	1.1	2.1	2.1	1.1	1.1	3.1	3.1	2.1	2.1
4.4	4.2	1.1	2.1	2.1	1.1	1.1	4.1	4.1	2.1	2.1
2.1	4.1	2.2	3.2	3.2	2.1	2.2	2.2	2.1	4.2	2.1
2.1	2.2	3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.2	2.1
2.1	2.1	3.1	5.3	5.3	4.3	3.1	3.1	3.2	3.1	2.1
5.1	5.4	1.1	2.1	2.1	3.1	1.1	1.1	5.1	4.1	2.1
2.1	4.2	3.1	3.3	3.3	3.2	3.1	3.1	3.2	4.3	2.1
2.1	2.2	3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.2	2.1
3.1	4.3	1.1	1.1	1.1	2.1	1.1	1.1	3.1	4.1	3.1
3.1	1.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	3.1	3.1
2.2	3.2	1.1	3.1	3.1	2.1	1.1	2.1	2.1	3.1	3.1
5.2	3.2	1.1	3.1	3.1	2.1	1.1	5.1	2.1	3.1	3.1
4.1	3.1	1.1	3.1	3.1	1.1	1.1	4.1	1.1	3.1	3.1
4.1	3.1	1.1	3.1	3.1	1.1	1.1	4.1	1.1	3.1	3.1
4.4	4.3	1.1	3.1	3.1	1.1	1.1	4.1	4.1	3.1	3.1
4.4	4.3	1.1	3.1	3.1	1.1	1.1	4.1	4.1	3.1	3.1
3.3	3.3	1.1	3.1	3.1	1.1	1.1	3.1	3.1	3.1	3.1
3.1	2.1	4.3	4.2	4.2	4.4	4.3	4.3	4.1	4.2	3.1
3.1	3.2	4.1	4.4	4.4	4.3	4.1	4.1	4.3	4.2	3.1
3.2	3.2	2.1	4.2	4.2	2.2	2.1	2.2	3.2	2.2	3.1

4.1	3.1	4.3	3.3	3.3	3.2	4.3	4.3	3.1	3.3	4.1
4.1	4.3	3.1	3.3	3.3	3.2	3.1	3.1	4.3	3.3	4.1
3.2	3.3	2.2	4.2	4.2	3.2	2.2	2.2	3.2	3.2	3.2
4.1	3.1	3.1	3.1	3.1	3.1	3.3	4.3	3.1	3.3	2.1
3.2	2.2	3.3	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.2
3.2	3.3	2.1	3.2	3.2	2.1	2.2	2.2	3.2	3.2	3.1
3.2	3.3	2.1	3.2	3.2	2.1	2.2	2.2	3.2	3.2	3.1
1.1	4.1	1.1	4.1	4.1	1.1	2.1	1.1	1.1	4.1	3.1
2.1	3.1	2.1	3.2	3.2	2.1	2.2	2.2	2.1	3.2	3.1
3.2	2.2	3.3	3.2	3.2	3.1	3.3	3.3	3.2	3.2	3.2
1.1	1.1	3.3	3.1	3.1	3.1	3.3	3.1	3.1	3.1	3.2
3.2	4.2	3.3	4.3	4.3	3.2	3.3	3.3	3.2	4.3	3.2
3.2	4.3	4.2	4.4	4.4	4.3	4.2	4.2	4.3	4.4	3.2
3.2	4.3	2.1	1.1	1.1	1.1	2.1	2.1	3.1	4.1	3.2
1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	3.2
2.2	2.1	4.2	3.2	3.2	2.1	4.2	2.2	2.2	2.1	4.2
4.2	2.2	4.4	4.2	4.2	4.1	4.4	4.4	4.2	4.2	4.3
3.1	1.1	3.1	1.1	1.1	1.1	2.1	3.1	1.1	1.1	4.3
4.2	4.4	3.2	5.3	3.2	3.2	3.2	3.2	4.3	4.3	4.2
1.1	3.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	3.1	4.2
3.1	3.3	4.4	4.3	4.3	4.2	4.1	4.1	4.3	4.3	4.3
1.1	2.1	3.1	1.1	1.1	1.1	3.1	1.1	1.1	2.1	4.3
2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1
3.1	3.2	1.1	2.1	2.1	3.1	1.1	1.1	3.1	2.1	2.1
2.1	3.2	1.1	4.1	4.1	3.1	1.1	1.1	2.1	3.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1

2.1	4.2	3.1	3.3	3.3	3.2	3.1	3.1	3.2	4.3	2.1
2.1	2.2	3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.2	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
3.1	3.2	1.1	3.1	3.1	2.1	1.1	1.1	3.1	2.1	2.1
2.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1
2.1	2.2	3.1	5.1	5.1	2.1	1.1	1.1	2.1	2.1	3.2
2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1
2.1	2.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1
3.1	3.2	1.1	3.1	3.1	2.1	1.1	1.1	3.1	2.1	2.1
3.1	3.2	1.1	3.1	3.1	2.1	1.1	1.1	3.1	2.1	2.1
2.1	3.2	1.1	4.1	4.1	4.1	1.1	1.1	2.1	3.1	2.1
2.1	4.2	1.1	3.1	3.1	5.1	1.1	1.1	2.1	4.1	2.1
2.2	2.2	1.1	3.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
2.2	2.2	1.1	3.1	3.1	1.1	1.1	2.1	2.1	2.1	2.1
4.2	4.2	1.1	3.1	3.1	4.1	1.1	2.1	4.1	2.1	2.1
2.1	2.2	1.1	2.1	2.1	2.1	1.1	1.1	2.1	2.1	2.1
2.2	4.2	1.1	3.1	3.1	2.1	1.1	2.1	2.1	4.1	2.1
3.1	1.1	3.3	3.1	3.1	3.2	3.3	3.3	3.1	3.1	3.1
3.1	4.1	2.1	3.1	3.1	2.1	2.1	3.1	1.1	4.1	3.2
3.1	3.3	1.1	3.1	3.1	2.1	1.1	1.1	3.1	3.1	3.1
2.1	2.2	1.1	2.1	2.1	3.1	1.1	1.1	2.1	2.1	3.1
3.1	3.3	1.1	4.1	4.1	3.1	1.1	1.1	3.1	3.1	3.1
2.1	3.2	1.1	3.1	3.1	2.1	1.1	1.1	2.1	3.1	3.1
3.1	3.1	1.1	1.1	1.1	2.1	1.1	1.1	3.1	1.1	3.1
3.1	3.3	1.1	2.1	2.1	3.1	1.1	1.1	3.1	3.1	3.1
3.2	3.3	1.1	3.1	3.1	3.1	2.1	2.1	3.1	3.1	3.1
3.1	3.3	2.1	2.2	2.2	2.2	2.1	2.1	3.2	3.2	3.1

3.1	3.3	2.1	2.2	2.2	2.2	2.1	2.1	3.2	3.2	3.1
3.3	3.2	1.1	2.1	2.1	3.1	1.1	3.1	3.1	2.1	3.1
4.1	4.3	1.1	3.1	3.1	4.1	1.1	1.1	4.1	3.1	3.1
3.2	4.3	1.1	2.1	2.1	2.1	1.1	2.1	3.1	4.1	3.1
3.1	3.2	1.1	2.1	2.1	2.1	1.1	1.1	3.1	2.1	3.1
2.2	3.2	2.1	3.1	3.1	2.1	1.1	2.1	2.1	3.1	4.2
3.1	3.1	2.1	4.1	4.1	2.1	2.1	3.1	1.1	3.1	3.2
3.1	4.1	3.3	3.2	3.2	3.1	3.3	3.3	3.1	4.3	3.2
3.2	2.2	3.3	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.2
1.1	3.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	3.2	3.1
3.2	2.2	3.3	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.2
3.1	3.2	2.1	2.2	2.2	2.1	2.2	2.1	3.2	2.2	3.1
2.1	2.2	3.3	3.2	3.2	3.3	3.3	3.1	3.2	3.2	3.2
3.2	2.2	3.3	3.2	3.2	3.1	3.3	3.3	3.2	3.2	3.2
3.2	4.2	3.3	4.3	4.3	3.1	3.3	3.3	3.2	4.3	3.2
4.2	4.3	3.2	5.3	5.3	4.3	3.2	3.2	4.3	3.3	4.2
1.1	3.1	4.4	4.1	4.1	4.2	4.1	4.1	4.1	4.3	4.2
4.2	4.4	4.2	4.3	4.3	4.3	4.2	4.2	4.4	4.4	4.2
4.2	3.2	4.4	4.4	4.4	4.2	4.4	4.4	4.2	4.3	4.2
4.2	3.2	4.4	4.1	4.1	4.2	4.4	4.4	4.2	4.3	4.3
4.3	4.4	3.3	3.2	3.2	4.3	3.3	3.3	4.3	4.3	4.3
4.2	4.2	3.2	3.3	3.3	4.3	3.2	3.2	4.3	3.2	2.2
3.3	3.3	3.2	2.2	2.2	2.1	3.2	3.2	3.2	3.2	3.3
2.2	2.2	3.2	3.3	3.3	3.2	3.2	3.2	3.2	3.2	2.2
3.1	4.1	3.2	3.2	3.2	2.1	3.2	3.2	2.1	4.2	3.2
4.2	4.4	3.2	3.3	3.3	3.3	3.2	3.2	4.3	4.3	2.2
1.1	2.1	4.1	4.4	4.4	4.3	4.1	4.1	4.1	4.2	1.1
4.4	4.4	4.2	2.2	2.2	2.1	4.2	4.2	4.2	4.2	4.4

3.1	1.1	3.2	2.2	2.2	2.2	3.2	3.2	2.1	2.1	3.3
3.1	1.1	3.2	2.2	2.2	2.2	3.2	3.2	2.1	2.1	3.3
2.1	1.1	4.2	2.1	2.1	2.2	4.2	2.2	2.1	2.1	4.3
2.2	2.2	3.2	3.3	3.3	3.2	3.2	3.2	3.2	3.2	2.2
2.2	2.2	3.2	3.3	3.3	3.2	3.2	3.2	3.2	3.2	2.2
2.2	2.2	3.2	3.3	3.3	3.2	3.2	3.2	3.2	3.2	2.2
4.1	2.1	3.1	3.3	3.3	3.2	4.3	4.3	3.1	3.2	2.1
2.2	2.2	3.2	3.3	3.3	3.1	3.2	3.2	3.2	3.2	2.2
2.1	2.1	3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.1	1.1
1.1	1.1	2.1	2.2	2.2	3.2	2.1	2.1	2.1	2.1	1.1

Draft

20x3	20x4	20x6	20x8	20x9	20x13	20x17	20x18	20x19	20x7	24x2
-0.1755932	-0.1151549	-0.3405017	0.07904594	-0.3879481	-0.1493327	0	-0.034606	-0.2724082	-0.0233114	-0.1116483
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
4.3	4.3	4.3	3.1	3.1	3.3	3.2	3.3	3.3	4.3	1.1
1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	1.1	3.3
3.1	3.1	3.2	3.1	3.1	3.3	3.3	3.3	3.3	3.1	1.1
3.1	3.1	3.2	3.1	3.1	3.3	3.3	3.3	3.3	3.1	1.1
3.1	3.1	3.2	3.1	3.1	3.3	3.3	3.3	3.3	3.1	1.1
3.1	3.1	3.2	3.1	3.1	3.3	3.3	3.3	3.3	3.1	1.1
3.1	3.1	3.2	3.1	3.1	3.3	3.1	3.3	3.3	3.1	1.1
3.1	3.1	3.1	3.1	3.1	3.3	3.1	3.3	3.3	3.1	1.1
3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.3	3.3	1.1
3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.3	3.3	1.1

3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.3	3.3	1.1
3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.3	3.3	1.1
3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.3	3.3	3.2	2.2
3.2	3.2	2.1	4.2	4.2	2.1	4.2	2.2	2.2	2.1	4.4
4.4	4.4	4.1	4.2	4.2	4.1	4.2	4.4	4.4	4.3	2.2
4.2	4.2	4.3	4.3	4.3	4.4	4.3	4.4	4.4	4.3	3.3
3.2	3.2	3.2	4.3	4.3	3.1	4.3	3.3	3.3	3.2	4.4
4.3	4.3	4.2	4.1	4.1	4.4	4.4	4.4	4.4	4.1	3.1
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	4.1	2.2
3.1	3.1	3.1	2.1	2.1	1.1	3.1	1.1	1.1	1.1	2.2
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
4.1	4.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	4.1	2.2
4.1	4.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
5.2	5.2	2.2	2.1	2.1	4.2	3.2	2.2	2.2	4.2	1.1
2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	1.1	1.1	3.3
3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.3	3.3	1.1
4.3	4.3	3.3	3.1	3.1	3.3	3.2	3.3	3.3	3.3	1.1

4.3	4.3	3.3	3.1	3.1	3.3	4.3	3.3	3.3	3.2	1.1
4.3	4.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	3.3	1.1
4.1	4.1	1.1	3.1	3.1	1.1	3.1	1.1	1.1	2.1	3.3
2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	1.1	1.1	3.3
2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	1.1	1.1	3.3
3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	3.2	1.1
1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	4.1	3.3
1.1	1.1	2.1	3.1	3.1	4.1	3.1	1.1	1.1	1.1	3.3
4.1	4.1	1.1	3.1	3.1	1.1	3.1	1.1	1.1	2.1	3.3
2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	1.1	1.1	3.3
3.1	3.1	2.1	4.1	4.1	1.1	2.1	1.1	1.1	2.1	4.4
1.1	1.1	3.1	4.1	4.1	1.1	4.1	1.1	1.1	2.1	4.4
2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
2.2	2.2	4.2	2.2	2.2	2.1	3.2	2.2	2.2	2.2	3.2
3.3	3.3	3.3	3.2	3.2	3.1	3.2	3.3	3.3	3.3	2.2
2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
2.2	2.2	4.2	3.2	3.2	4.2	3.2	2.2	2.2	2.2	3.3
2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
2.2	2.2	2.1	3.2	3.2	2.1	3.2	2.2	2.2	4.2	3.3
1.1	1.1	1.1	2.1	2.1	3.1	2.1	1.1	1.1	3.1	2.2
4.3	4.3	3.3	3.2	3.2	3.3	3.1	3.3	3.3	3.3	2.2
2.1	2.1	2.2	3.2	3.2	2.2	2.1	2.2	2.2	2.2	3.3
2.2	2.2	2.1	3.2	3.2	2.2	3.2	2.2	2.2	4.2	3.3
2.1	2.1	2.1	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
2.1	2.1	4.2	4.2	4.2	2.1	3.2	2.2	2.2	2.1	4.3
2.2	2.2	2.1	3.2	3.2	2.1	3.2	2.2	2.2	4.2	3.3
2.1	2.1	2.1	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3

3.1	3.1	3.1	3.2	3.1	3.1	3.1	3.3	3.3	3.1	2.1
2.2	2.2	2.1	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
2.2	2.2	2.1	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
2.1	2.1	2.2	4.2	4.2	2.2	3.2	2.2	2.2	2.2	4.4
3.3	3.3	3.3	3.2	3.2	4.3	3.3	3.3	3.3	4.3	2.2
4.3	4.3	4.1	4.2	4.2	4.4	4.4	4.4	4.4	4.4	2.2
2.1	2.1	2.1	4.2	4.2	2.2	2.1	2.2	2.2	3.2	4.4
3.2	3.2	2.1	4.2	4.2	2.1	4.2	2.2	2.2	2.2	4.4
3.2	3.2	3.1	4.3	4.3	3.3	3.3	3.3	3.3	3.3	4.4
2.2	2.2	2.2	4.2	4.2	3.2	2.2	2.2	2.2	3.2	4.4
3.1	3.1	3.1	4.3	4.3	3.3	3.2	3.3	3.3	3.2	4.4
4.4	4.4	4.4	4.3	4.3	4.4	4.3	4.4	4.4	4.2	3.3
4.1	4.1	3.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
3.2	3.2	3.2	2.1	2.1	2.2	3.2	2.2	2.2	2.1	1.1
3.2	3.2	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
3.2	3.2	2.2	2.1	2.1	2.2	4.2	2.2	2.2	2.1	1.1
4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	2.1	1.1
3.2	3.2	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
3.2	3.2	4.2	2.1	2.1	4.2	4.2	2.2	2.2	2.1	1.1
5.2	5.2	2.2	2.1	2.1	4.2	3.2	2.2	2.2	4.2	1.1
3.2	3.2	4.2	2.1	2.2	4.2	3.2	2.2	2.2	2.1	1.1
4.3	4.3	3.3	3.1	3.1	3.3	3.2	3.3	3.3	3.1	1.1
3.1	3.1	3.2	3.1	4.3	3.3	3.1	3.3	3.3	3.3	4.1
3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.3	3.3	1.1
4.3	4.3	3.3	3.1	3.2	3.3	3.3	3.3	3.3	3.2	1.1
4.3	4.3	4.4	4.1	4.1	4.4	4.2	4.4	4.4	4.1	1.1
4.2	4.2	4.4	4.1	4.1	4.4	4.3	4.4	4.4	4.1	1.1
4.3	4.3	4.2	4.1	4.2	4.4	4.3	4.4	4.4	4.4	1.1

4.2	4.2	4.2	4.1	4.1	4.4	4.2	4.4	4.4	4.1	1.1
4.4	4.4	4.2	4.1	4.1	4.4	4.1	4.4	4.4	4.4	1.1
4.1	4.1	4.4	4.1	4.1	4.2	4.1	4.4	4.4	4.1	1.1
4.3	4.3	4.4	4.1	4.1	4.2	4.2	4.4	4.4	4.1	1.1
5.5	5.5	5.3	5.4	5.4	5.3	5.1	5.5	5.5	5.1	4.1
4.3	4.3	3.2	3.2	3.1	3.3	3.3	3.3	3.3	3.3	2.2
3.2	3.2	2.1	4.2	4.2	3.2	2.1	2.2	2.2	3.2	4.4
4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.4	4.4	4.2	2.2
3.2	3.2	3.2	4.3	3.2	3.1	3.2	3.3	3.3	3.1	4.4
2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.1	1.1
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
4.2	4.2	4.2	2.1	2.1	2.2	2.1	2.2	2.2	3.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	3.2	1.1
4.2	4.2	3.2	2.1	2.1	2.2	3.2	2.2	2.2	2.1	1.1
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
3.2	3.2	3.2	2.1	2.1	2.2	2.1	2.2	2.2	4.2	1.1
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
3.3	3.3	3.3	3.1	3.3	3.1	3.1	3.2	3.3	4.3	3.1
3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	4.3	1.1
3.2	3.1	3.2	3.1	3.1	3.3	3.1	3.3	3.3	4.3	1.1
4.3	4.3	3.2	3.1	3.1	3.3	4.3	3.3	3.3	5.3	1.1
3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	3.2	1.1
3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	3.2	1.1
3.2	3.2	3.3	3.1	3.1	3.2	3.1	3.3	3.3	3.2	1.1
4.2	4.2	4.2	4.1	4.1	4.3	4.2	4.4	4.4	4.3	1.1
2.1	2.1	1.1	3.1	4.1	1.1	3.1	1.1	1.1	2.1	4.3
4.3	4.3	4.4	4.1	4.2	4.4	4.3	4.4	4.4	4.3	1.1
4.4	4.4	4.2	4.1	4.3	4.1	4.1	4.4	4.4	4.2	3.1

4.4	4.4	4.2	4.1	4.1	4.4	4.3	4.4	4.4	4.4	1.1
4.3	4.3	4.4	4.1	4.1	4.4	4.3	4.4	4.4	4.2	1.1
1.1	1.1	1.1	2.1	2.1	3.1	1.1	1.1	1.1	3.1	2.2
3.2	3.2	3.1	3.2	3.2	3.3	3.3	3.3	3.3	3.3	2.2
3.3	3.3	3.1	3.2	3.2	3.1	3.2	3.3	3.3	4.3	2.2
4.3	4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	3.3	2.2
3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	3.3	3.2
3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	3.3	3.2
4.3	4.3	3.1	3.2	3.2	3.3	4.3	3.3	3.3	3.3	2.2
2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	4.2	3.3
4.3	4.3	4.3	3.2	3.2	3.3	3.2	3.3	3.3	4.3	2.2
4.4	4.4	4.4	4.2	4.2	4.4	4.2	4.4	4.4	4.3	2.2
4.1	4.1	4.3	4.2	4.3	4.1	4.2	4.4	4.4	4.1	3.2
2.2	2.2	2.2	4.2	4.2	2.2	4.2	2.2	2.2	3.2	4.4
4.3	4.3	4.1	4.1	4.1	4.4	4.2	4.4	4.4	4.4	2.1
2.2	2.2	2.2	4.2	4.2	2.2	4.2	2.2	2.2	3.2	4.4
3.2	3.2	2.2	4.2	4.2	2.2	4.2	2.2	2.2	2.2	4.4
4.3	4.3	3.1	4.3	4.3	3.2	4.3	3.3	3.3	3.2	4.4
3.2	3.2	3.1	4.3	4.3	3.3	3.1	3.3	3.3	3.3	4.4
4.2	4.2	4.1	4.3	4.3	4.4	4.3	4.4	4.4	4.1	4.3
3.2	3.2	3.2	4.3	4.3	3.3	3.2	3.3	3.3	3.1	4.4
4.2	4.2	4.1	4.3	4.3	4.4	4.4	4.4	4.4	4.4	3.3
3.2	3.2	3.2	4.3	3.2	3.2	3.2	3.3	3.3	3.2	4.2
4.2	4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.4	4.4	3.3
4.2	4.2	4.4	4.3	4.3	4.1	4.3	4.4	4.4	4.4	3.3
4.2	4.2	4.2	4.3	4.2	4.2	4.3	4.4	4.4	4.1	3.3
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
2.1	2.1	2.2	2.1	2.1	5.2	6.2	2.2	2.2	3.2	1.1

3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	3.2	1.1
3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.3	3.3	1.1
4.2	4.2	4.2	4.3	4.3	4.2	4.1	4.4	4.4	4.2	1.1
4.3	4.3	4.4	4.1	4.1	4.2	4.3	4.4	4.4	4.4	1.1
5.4	5.4	5.2	5.1	5.1	5.5	5.4	5.5	5.5	5.5	1.1
4.3	4.3	3.3	3.2	3.2	3.1	3.2	3.3	3.3	4.3	2.2
4.2	4.2	2.1	3.2	3.2	2.2	2.2	2.2	2.2	2.2	3.3
2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
3.2	3.2	3.3	3.2	3.2	3.3	3.2	3.3	3.3	4.3	2.2
4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.4	4.4	4.3	2.2
4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.4	4.4	4.3	2.2
4.4	4.4	4.3	4.2	4.2	4.4	4.2	4.4	4.4	4.4	2.2
3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	2.2	1.1
4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	3.2	2.1	2.1	2.2	2.2	2.2	3.1
2.2	2.2	2.2	2.1	3.2	2.1	2.1	2.2	2.2	2.2	3.1
2.2	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1
3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.3	3.3	3.3	3.1	4.3	3.1	3.1	3.3	3.3	3.3	2.1
3.3	3.3	3.3	3.1	4.3	3.1	3.1	3.3	3.3	3.3	2.1
3.3	3.3	3.3	3.1	3.2	3.1	3.1	3.3	3.3	3.3	2.1
3.3	3.3	3.3	3.1	3.3	3.1	3.1	3.3	3.3	3.3	2.1
4.3	4.3	4.2	4.3	4.3	4.2	4.1	4.4	4.4	4.2	3.3
4.2	4.2	4.4	4.1	4.1	4.4	4.3	4.4	4.4	4.2	1.1
2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
2.1	2.1	2.1	3.2	3.2	2.2	2.1	2.2	2.2	4.2	3.3
1.1	1.1	1.1	2.1	2.1	3.1	1.1	1.1	1.1	3.1	2.2
4.1	4.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2

4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	3.2	2.1	2.1	3.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	2.2	1.1
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
4.1	4.1	1.1	3.1	3.1	1.1	3.1	1.1	1.1	2.1	3.3
4.3	4.3	3.3	3.2	3.2	3.3	3.1	3.3	3.3	3.3	1.1
3.2	3.2	4.3	3.1	4.3	3.2	3.1	3.3	3.3	3.1	4.4
4.3	4.3	3.1	3.1	3.1	3.3	3.2	3.3	3.3	3.1	1.1
4.2	4.2	4.2	4.1	4.1	4.3	4.2	4.4	4.4	4.3	1.1
4.2	4.2	4.2	4.1	4.1	4.3	4.2	4.4	4.4	4.3	1.1
3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	3.3	1.1
4.3	4.3	3.2	3.1	3.1	3.3	3.2	3.3	3.3	3.3	1.1
4.3	4.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	4.3	1.1
3.3	3.3	3.2	3.1	3.1	4.3	3.1	3.3	3.3	4.3	1.1
3.2	3.2	3.2	4.3	4.3	3.2	3.1	3.3	3.3	3.2	4.4
3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	3.3	1.1
3.3	3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	4.3	1.1
4.3	4.3	4.2	4.1	4.2	4.3	4.2	4.4	4.4	4.4	1.1
4.1	4.3	4.2	4.1	4.1	4.2	4.1	4.4	4.4	4.1	1.1
3.2	3.2	2.2	2.1	2.1	4.2	3.2	2.2	2.2	4.2	1.1
4.2	4.2	4.2	4.1	4.1	4.4	4.1	4.4	4.4	4.3	1.1
2.1	2.1	3.1	4.1	4.1	1.1	4.1	1.1	1.1	3.1	4.4
4.1	4.1	4.2	4.1	4.1	4.4	4.3	4.4	4.4	4.1	1.1
4.2	4.2	4.4	4.1	4.1	4.4	4.3	4.4	4.4	4.2	1.1

2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
4.1	4.1	4.1	4.3	4.3	4.2	4.1	4.4	4.4	4.2	3.3
3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	4.3	2.2
3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.3	3.3	3.2	2.2
3.3	3.3	3.2	4.3	3.2	3.3	3.2	3.3	3.3	4.3	2.2
3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.3	3.3	3.2	2.2
3.3	3.3	3.2	3.2	4.3	3.3	3.2	3.3	3.3	3.3	2.2
4.3	4.3	3.1	3.2	3.1	3.1	3.1	3.3	3.3	3.1	2.2
4.2	4.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
4.3	4.3	3.1	3.2	3.2	3.3	3.2	3.3	3.3	3.1	2.2
2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	4.2	3.3
2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	4.2	3.3
2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
4.2	4.2	3.2	4.2	4.2	2.2	4.2	2.2	2.2	3.2	4.4
4.3	4.3	4.1	4.2	4.1	4.3	4.2	4.4	4.4	4.1	2.2
2.2	2.2	3.2	4.2	4.2	2.2	4.2	2.2	2.2	3.2	4.4
2.1	2.1	3.2	4.2	4.2	2.2	4.2	2.2	2.2	3.2	4.4
3.2	3.2	3.2	4.2	4.2	2.2	3.2	2.2	2.2	2.2	4.4
3.2	3.2	2.2	4.2	4.2	2.2	4.2	2.2	2.2	2.2	4.4
2.2	2.2	3.2	4.2	4.2	2.2	4.2	2.2	2.2	3.2	4.4
3.2	3.2	2.1	4.2	2.1	3.2	4.2	2.2	2.2	2.1	4.4
4.2	4.2	4.4	4.2	4.2	4.4	4.2	4.4	4.4	4.3	2.2
2.2	2.2	2.1	3.2	3.2	4.2	2.2	2.2	2.2	4.2	3.3
3.1	3.1	3.2	4.3	4.3	3.3	3.2	3.3	3.3	3.2	4.4
3.3	3.3	3.1	4.3	4.3	3.1	4.3	3.3	3.3	3.2	4.4
4.1	4.1	4.2	4.3	4.3	4.1	4.3	4.4	4.4	4.4	3.3

4.2	4.2	4.3	5.4	5.4	4.4	4.1	4.4	4.4	4.2	5.5
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	2.2	1.1
6.2	6.2	4.2	2.1	2.1	2.2	3.2	2.2	2.2	5.2	1.1
2.2	2.2	2.1	4.2	2.2	2.2	2.1	2.2	2.2	3.2	4.1
2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	1.1	1.1	3.3
3.2	3.2	3.3	3.1	3.2	3.1	3.1	3.3	3.3	3.2	1.1
4.3	4.3	3.2	3.1	3.3	3.1	3.1	3.3	3.3	3.1	5.1
3.2	3.2	3.2	3.1	3.2	3.3	3.1	3.3	3.3	3.2	4.1
3.1	3.1	4.3	3.1	3.1	3.3	5.3	3.3	3.3	3.2	1.1
3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.3	3.3	3.2	2.1
4.2	4.2	4.4	4.1	4.1	4.4	4.2	4.4	4.4	4.3	1.1
4.2	4.2	4.4	4.1	5.4	4.1	4.1	4.4	4.4	4.3	2.1
4.3	4.3	4.2	4.3	4.3	4.3	4.1	4.4	4.4	4.3	3.3
4.3	4.3	4.3	3.2	3.2	4.3	4.3	3.3	3.3	4.3	2.2
3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	4.3	2.2
2.1	2.1	2.1	3.2	3.2	2.2	2.1	2.2	2.2	2.1	3.3
2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
2.2	2.2	5.2	3.2	3.2	4.2	3.2	2.2	2.2	2.2	3.3
4.3	4.3	4.3	4.2	4.3	4.3	4.2	4.4	4.4	4.3	2.2
2.2	2.2	2.1	4.2	3.2	2.1	4.2	2.2	2.2	2.2	4.4
3.3	3.3	3.2	4.3	3.1	3.3	4.3	3.3	3.3	3.3	4.4
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
4.2	4.2	2.2	3.2	3.2	2.2	2.1	2.2	2.2	2.1	1.1

4.2	4.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	3.2	1.1
4.2	4.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	3.2	1.1
1.1	1.1	3.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	1.1	3.3
3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.3	3.1	1.1
3.3	3.3	4.3	3.2	3.2	4.3	3.1	3.3	3.3	3.1	1.1
4.3	4.3	3.2	3.1	3.1	3.2	3.1	3.3	3.3	3.1	1.1
4.3	4.3	4.3	3.1	3.1	3.3	3.1	3.3	3.3	3.2	1.1
4.3	4.3	4.2	4.1	4.1	4.4	4.2	4.4	4.4	4.4	1.1
5.4	5.4	4.2	4.1	4.1	4.4	5.4	4.4	4.4	4.3	1.1
3.1	3.1	2.1	4.1	4.1	1.1	3.1	3.1	1.1	1.1	4.4
3.1	3.1	3.1	3.2	3.2	3.1	3.2	3.3	3.3	3.2	2.2
4.2	4.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	3.2	3.3
4.2	4.2	2.1	3.2	3.2	2.1	3.2	2.2	2.2	2.1	3.3
4.2	4.2	2.1	3.2	3.2	2.2	4.2	2.2	2.2	2.2	3.3
3.2	3.2	2.1	3.2	3.2	2.2	3.2	2.2	2.2	4.2	3.3
3.1	3.1	3.1	3.2	4.3	3.1	3.2	3.3	3.3	4.3	2.2
3.1	3.1	3.1	3.2	4.3	3.1	3.2	3.3	3.3	4.3	2.2
2.2	2.2	2.2	4.2	4.2	2.2	4.2	2.2	2.2	3.2	4.4
3.2	3.2	2.1	4.2	4.2	2.1	4.2	2.2	2.2	4.2	4.4
4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.4	4.4	4.2	2.2
4.2	4.2	4.4	4.2	4.2	4.4	4.2	4.4	4.4	4.3	2.2
3.2	3.2	2.2	4.2	4.2	2.2	3.2	2.2	2.2	2.2	4.4
4.1	4.1	5.4	4.2	4.2	4.4	4.3	4.4	4.4	4.1	2.2
3.2	3.2	3.3	4.3	4.3	3.3	4.3	3.3	3.3	3.3	4.4
3.2	3.2	4.3	4.3	3.3	3.1	4.3	3.3	3.3	3.1	4.4
4.2	4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.4	4.1	3.3
4.4	4.4	4.1	4.3	4.3	4.2	4.3	4.4	4.4	4.2	3.3

4.2	4.2	4.2	4.3	4.3	4.2	4.3	4.4	4.4	4.4	3.3
4.2	4.2	2.1	4.2	4.2	3.2	2.2	2.2	2.2	3.2	4.4
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
4.1	4.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
4.1	4.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	3.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	3.2	1.1
3.2	3.2	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.2	1.1
4.3	4.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	4.3	1.1
4.3	4.3	3.2	3.1	3.1	3.3	3.2	3.3	3.3	3.3	1.1
3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.3	3.2	1.1
3.1	3.1	2.1	4.1	4.1	1.1	2.1	1.1	1.1	1.1	4.4
2.1	2.1	1.1	4.1	4.1	1.1	4.1	1.1	1.1	3.1	4.4
4.3	4.3	4.3	4.1	4.1	4.2	4.1	4.4	4.4	4.2	1.1
4.1	4.1	4.3	4.1	4.1	4.4	4.2	4.4	4.4	4.1	1.1
4.4	4.4	4.2	4.1	4.1	4.3	4.1	4.4	4.4	4.4	1.1
4.2	4.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	2.1	3.3
2.1	2.1	2.1	3.2	2.1	2.1	2.1	2.2	2.2	2.1	3.3
2.1	2.1	2.1	3.2	3.2	2.2	3.2	2.2	2.2	4.2	3.3
3.1	3.1	3.1	3.2	3.2	3.3	3.2	3.3	3.3	4.3	2.2
4.2	4.2	2.1	3.2	2.2	2.2	3.2	2.2	2.2	2.1	3.2
2.1	2.1	3.2	3.2	3.2	2.2	3.2	2.2	2.2	3.2	3.3
3.1	3.1	3.2	3.2	3.2	3.3	3.2	3.3	3.3	3.2	2.2
4.3	4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	3.3	2.2
3.3	3.3	3.1	4.3	3.2	3.3	3.2	3.3	3.3	5.3	2.2
3.2	3.2	2.1	4.2	3.2	2.1	4.2	2.2	2.2	3.2	4.4
2.1	2.1	2.2	4.2	4.2	2.2	4.2	2.2	2.2	3.2	4.4

2.1	2.1	2.1	4.2	3.2	2.1	3.2	2.2	2.2	2.1	4.4
4.3	4.3	4.1	4.2	4.2	4.4	4.2	4.4	4.4	4.2	2.2
3.1	3.1	3.1	4.3	4.3	3.2	4.3	3.3	3.3	3.2	4.4
3.2	3.2	2.2	4.2	4.2	2.2	4.2	2.2	2.2	2.1	4.4
2.2	2.2	2.2	4.2	4.2	2.2	4.2	2.2	2.2	3.2	4.4
4.1	4.1	4.1	4.2	4.2	4.3	4.2	4.4	4.4	4.2	2.1
3.2	3.2	3.2	4.3	4.3	3.2	4.3	3.3	3.3	3.3	4.4
3.1	3.1	3.3	4.3	4.3	3.1	4.3	3.3	3.3	3.2	4.4
4.2	4.2	4.1	4.3	4.1	4.1	4.1	4.4	4.4	4.1	3.3
3.2	3.2	3.3	4.3	4.3	3.2	4.3	3.3	3.3	3.1	4.4
4.2	4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.4	4.4	3.3
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	3.2	2.1	2.1	2.2	2.1	2.2	2.2	3.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
3.3	3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	4.3	1.1
4.3	4.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	3.3	1.1
3.3	3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	3.2	1.1
3.2	3.2	3.2	3.1	3.1	3.3	3.1	3.3	3.3	4.3	1.1
4.3	4.3	4.2	4.3	4.3	4.3	4.1	4.4	4.4	4.3	3.3
5.3	5.3	5.5	5.1	5.2	5.4	5.1	5.5	5.5	5.4	1.1
2.2	4.2	2.2	3.2	3.2	2.1	3.2	2.2	2.2	2.1	3.3
2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	2.2	2.1	3.3

2.2	2.2	2.1	3.2	2.1	2.2	3.2	2.2	2.2	4.2	3.3
2.2	2.2	2.2	2.1	3.2	2.2	3.2	2.2	2.2	2.2	3.3
4.3	4.3	3.1	3.2	3.2	3.3	3.1	3.3	3.3	3.3	2.2
3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	4.3	2.2
4.3	4.3	4.3	3.2	3.2	4.3	3.2	3.3	3.3	3.3	2.2
3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	4.3	2.2
2.1	2.1	2.1	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3
3.2	3.2	3.1	3.2	3.2	3.3	3.1	3.3	3.3	3.2	2.2
3.1	3.1	3.1	3.2	3.2	3.1	3.2	3.3	3.3	3.3	2.2
2.1	2.1	3.2	4.2	4.2	2.2	2.2	2.2	2.2	2.2	4.4
2.2	2.2	3.2	4.2	4.2	2.1	4.2	2.2	2.2	2.1	4.4
3.2	3.2	2.2	4.2	4.2	2.1	4.2	2.2	2.2	2.1	4.4
3.2	3.2	3.2	4.2	4.2	2.1	4.2	2.2	2.2	2.1	4.4
2.1	2.1	3.2	4.2	4.2	2.1	4.2	2.2	2.2	2.1	4.4
3.2	3.2	2.2	4.2	4.2	2.2	2.1	2.2	2.2	2.2	4.4
4.4	4.4	4.4	4.2	4.2	4.3	4.2	4.4	4.4	4.4	2.2
4.1	4.1	4.1	4.2	4.2	4.4	4.2	4.4	4.4	4.3	2.2
3.2	3.2	2.1	4.2	4.2	2.2	2.1	2.2	2.2	4.2	4.4
4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.4	4.4	4.2	2.2
5.5	5.5	5.3	5.2	5.2	5.1	5.2	5.5	5.5	5.1	2.2
3.3	3.3	3.3	4.3	4.3	3.2	4.3	3.3	3.3	3.2	4.4
4.2	4.2	4.1	4.2	4.2	4.2	4.2	4.4	4.4	4.4	3.3
4.4	4.4	4.1	4.3	4.3	4.1	4.3	4.4	4.4	4.2	3.3
3.2	3.2	3.2	4.3	4.3	3.3	4.3	3.3	3.3	4.3	4.4
2.2	2.2	2.2	5.2	5.2	3.2	5.2	2.2	2.2	3.2	5.5
4.2	4.2	5.2	4.2	4.2	4.2	2.1	2.2	2.2	3.2	4.4
2.2	2.2	4.2	3.2	2.2	2.1	2.1	2.2	2.2	2.1	4.3

3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
4.1	4.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
3.2	3.2	2.1	2.1	2.2	3.2	4.2	2.2	2.2	2.2	1.1
3.2	3.2	3.2	3.1	3.1	3.3	4.3	3.3	3.3	4.3	1.1
6.4	6.4	6.5	6.1	6.1	6.3	6.2	6.6	6.6	6.3	1.1
2.1	2.1	2.1	3.2	2.1	2.1	3.2	2.2	2.2	4.2	3.1
4.2	4.2	4.1	4.2	4.2	4.3	4.1	4.4	4.4	4.3	2.2
2.1	2.1	2.2	4.2	4.2	2.2	3.2	2.2	2.2	3.2	3.3
3.2	3.2	2.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2	3.3
3.1	3.1	3.1	3.2	3.2	3.1	3.2	3.3	3.3	3.2	2.2
4.2	4.2	4.2	3.2	3.2	2.2	3.2	2.2	2.2	3.2	3.3
2.1	2.1	2.1	3.2	3.2	2.1	2.1	2.2	2.2	3.2	3.3
4.3	4.3	4.1	4.2	4.1	4.2	4.2	4.4	4.4	4.2	1.1
3.2	3.2	2.1	4.2	4.2	2.2	2.2	2.2	2.2	2.2	4.4
4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.4	4.4	4.2	2.2
4.4	4.4	4.1	4.2	4.1	4.4	4.2	4.4	4.4	4.4	2.2
4.2	4.2	4.3	4.3	4.3	4.4	4.2	4.4	4.4	4.3	3.3
3.2	3.2	3.1	4.3	4.3	3.2	4.3	3.3	3.3	4.3	4.4
4.1	4.1	4.1	4.3	4.2	4.1	4.1	4.4	4.4	4.3	3.3
3.2	3.2	3.3	4.3	4.3	3.3	4.3	3.3	3.3	4.3	4.4
4.2	4.2	4.1	4.3	4.3	4.1	4.2	4.4	4.4	4.3	3.3
3.2	3.2	5.2	2.1	2.1	2.2	4.2	2.2	2.2	6.2	1.1
3.2	3.2	5.2	2.1	2.1	2.2	4.2	2.2	2.2	6.2	1.1
4.2	4.2	5.2	2.1	2.1	2.2	3.2	2.2	2.2	6.2	1.1
4.1	4.1	1.1	3.1	3.1	1.1	2.1	1.1	1.1	3.1	3.2
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1

2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
1.1	1.1	2.1	3.1	3.1	2.1	3.1	1.1	1.1	1.1	3.3
3.3	3.3	3.2	3.1	3.1	3.2	3.1	3.3	3.3	3.2	1.1
3.3	3.3	3.2	3.1	3.1	3.2	3.1	3.3	3.3	3.2	1.1
2.2	2.1	2.2	2.1	2.1	3.2	2.1	2.2	2.2	3.2	1.1
2.2	2.1	3.2	2.1	3.2	3.2	2.1	2.2	3.2	3.2	1.1
3.2	3.2	3.2	3.1	3.2	3.2	3.1	3.3	3.3	3.1	1.1
3.3	3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	3.3	1.1
2.1	2.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	4.1	3.3
1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	1.1	3.3
1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	4.1	3.3
1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	2.1	3.3
4.1	4.1	4.2	4.1	4.1	4.4	5.4	4.4	4.4	4.3	1.1
2.2	2.2	2.2	2.1	2.1	4.2	3.2	2.2	2.2	4.2	1.1
4.3	4.3	4.3	4.1	4.2	4.3	4.1	4.4	4.4	4.3	2.2
4.3	4.3	4.3	4.1	4.1	4.4	4.2	4.4	4.4	4.3	1.1
3.2	2.2	4.2	2.1	4.2	4.2	2.1	2.2	4.2	4.2	1.1
3.2	2.1	4.2	2.2	4.2	4.2	2.1	2.2	4.2	4.2	2.1
4.2	2.1	3.2	2.1	4.2	3.2	2.1	2.2	4.2	3.2	1.1
2.1	2.1	1.1	4.1	4.1	1.1	4.1	1.1	1.1	3.1	4.4
3.2	2.1	4.2	2.1	5.2	4.2	2.1	2.2	5.2	4.2	1.1
2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	2.2	2.2	3.3

2.2	2.2	2.1	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
4.2	4.2	2.2	3.2	3.2	2.1	3.2	2.2	2.2	3.2	3.3
3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.3	3.3	3.2	2.2
4.2	4.2	2.1	3.2	2.2	2.1	3.2	2.2	2.2	2.1	3.3
2.2	2.2	4.2	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
3.3	3.3	3.1	3.2	3.2	3.3	3.2	3.3	3.3	3.3	2.2
2.2	2.2	3.2	3.2	2.1	2.1	3.2	2.2	2.2	2.2	3.3
4.1	4.1	4.4	4.2	4.2	4.4	4.1	4.4	4.4	4.3	2.2
4.3	4.3	4.1	4.2	4.1	4.1	4.2	4.4	4.4	4.2	2.2
4.4	4.4	4.1	4.2	4.2	4.4	4.2	4.4	4.4	4.4	2.2
3.2	3.2	2.2	4.2	4.2	3.2	4.2	2.2	2.2	2.2	4.4
4.1	4.1	4.1	4.2	4.1	4.1	4.2	4.4	4.4	4.3	2.2
3.2	3.2	3.1	4.3	4.3	3.2	3.2	3.3	3.3	3.2	4.2
4.2	4.2	4.1	4.3	4.1	4.1	4.2	4.4	4.4	4.2	3.2
2.2	2.2	4.2	3.2	2.2	2.1	2.1	2.2	2.2	4.2	3.2
3.2	3.2	3.2	4.3	3.2	3.1	3.1	3.3	3.2	3.1	4.2
3.2	3.2	3.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	1.1
4.3	4.3	3.2	3.1	3.2	3.3	3.1	3.3	3.3	3.1	1.1
3.2	3.2	3.2	3.1	3.1	3.2	3.2	3.3	3.3	3.1	1.1
2.1	2.1	3.1	4.1	4.1	1.1	3.1	1.1	1.1	1.1	4.4
3.2	3.2	3.1	3.2	3.1	3.3	3.2	3.3	3.3	4.3	2.1
4.3	4.3	4.3	3.2	3.1	4.3	3.2	3.3	3.3	4.3	1.1
3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.3	3.3	3.2	2.2
3.2	3.2	2.1	4.2	4.2	2.2	2.2	2.2	2.2	4.2	4.4
3.2	3.2	3.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	3.2	1.1
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	4.1	2.2
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	4.1	2.2

1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	1.1	2.2
1.1	1.1	1.1	4.1	4.1	1.1	2.1	1.1	1.1	1.1	3.2
4.1	4.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.2	4.2	3.3
4.1	4.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	3.1	2.2
2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.1	2.1	4.2	4.2	2.1	2.2	2.2	2.2	3.1
2.2	2.2	2.1	2.1	3.2	3.2	2.1	2.2	2.2	2.2	3.1
2.2	2.2	2.1	2.1	4.2	4.2	2.1	2.2	2.2	2.2	3.1
3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	4.1	2.2
3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	2.2	1.1
5.2	5.2	4.2	2.1	2.1	2.2	3.2	2.2	2.2	2.1	1.1
2.2	2.2	3.2	2.1	2.1	5.2	2.1	2.2	2.2	4.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	4.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	2.2	1.1
3.1	3.1	3.2	3.1	3.1	3.3	3.1	3.3	3.3	4.3	1.1
1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	1.1	3.3
3.3	3.3	3.2	3.1	3.2	3.2	3.1	3.3	3.3	3.3	1.1
3.3	3.3	3.2	3.1	5.3	3.2	3.1	3.3	3.3	3.3	4.1
3.3	3.3	3.1	3.1	4.3	3.1	3.1	3.3	3.3	3.3	2.1
3.3	3.3	3.1	3.1	4.3	3.1	3.1	3.3	3.3	3.3	2.1
3.3	3.3	3.1	3.1	4.3	4.3	3.1	3.3	3.3	3.3	2.1
3.3	3.3	3.1	3.1	4.3	4.3	3.1	3.3	3.3	3.3	2.1
3.3	3.3	3.1	3.1	3.3	3.3	3.1	3.3	3.3	3.3	2.1
2.1	2.1	4.1	3.1	3.1	1.1	4.1	1.1	1.1	2.1	3.3
4.3	4.3	3.3	3.1	3.1	3.3	4.3	3.3	3.3	3.2	1.1
4.3	4.3	3.2	3.1	3.2	3.3	3.2	3.3	3.3	3.2	1.1

3.1	3.1	2.1	4.1	4.1	1.1	3.1	1.1	1.1	3.1	4.4
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4.3	4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	3.3	2.2
2.1	2.1	2.1	3.2	4.2	2.1	3.2	2.2	2.2	3.2	4.1
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3.3	3.3	3.1	3.2	3.2	3.3	3.2	3.3	3.3	3.3	2.1
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2.2	2.2	2.1	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
2.1	2.1	2.1	3.2	2.1	2.1	3.2	2.2	2.2	2.1	3.3
4.2	4.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	4.2	3.3
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3.2	3.2	2.1	4.2	2.2	2.2	2.2	2.2	2.2	2.1	4.4
3.2	3.2	3.1	4.3	4.3	3.2	4.3	3.2	3.2	3.2	4.4
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5.4	4.2	4.2	4.2	4.2	4.4	4.3	4.4	4.4	4.4	2.2
4.1	4.1	4.1	4.2	4.1	4.1	4.1	4.4	4.4	4.3	2.2
3.3	3.3	3.2	3.1	3.1	3.3	4.3	3.3	3.3	3.3	4.4
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3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	3.2	2.1	2.1	3.2	2.1	2.2	2.2	2.2	1.1
4.2	4.2	3.2	2.1	2.1	2.2	2.1	2.2	2.2	3.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1

3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	4.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	2.2	1.1
2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.1	1.1
5.2	5.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	3.1
3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	2.2	1.1
4.2	4.2	4.2	2.1	2.1	2.2	2.1	2.2	2.2	3.2	1.1
3.2	3.2	5.2	2.1	2.1	2.2	2.1	2.2	2.2	4.2	1.1
3.2	3.2	2.2	2.1	2.2	2.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	2.1	2.1	2.2	2.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	4.2	2.1	2.2	4.2	2.1	2.2	2.2	2.2	1.1
2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	1.1
3.2	3.2	2.2	2.1	2.2	2.2	2.1	2.2	2.2	4.2	1.1
1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	1.1	3.3
3.3	3.3	3.2	3.2	3.3	3.1	3.1	3.3	3.3	4.3	2.2
3.3	3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	3.3	1.1
3.2	3.2	3.3	3.1	3.1	3.2	3.1	3.3	3.3	3.2	1.1
4.3	4.3	3.3	3.1	3.1	3.3	3.1	3.3	3.3	3.3	1.1
3.3	3.3	3.2	3.1	3.1	3.2	3.1	3.3	3.3	3.3	1.1
3.1	3.1	3.2	3.1	3.1	3.3	3.1	3.3	3.3	3.1	1.1
3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.3	3.3	1.1
3.3	3.3	3.3	3.2	3.2	3.3	3.1	3.3	3.3	3.3	2.1
3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	3.3	1.1

3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	3.3	1.1
3.2	3.2	3.3	3.1	3.3	3.3	3.1	3.3	3.3	3.2	1.1
3.3	3.3	4.3	3.1	3.1	4.3	3.1	3.3	3.3	3.3	1.1
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4.3	4.3	4.2	4.1	4.2	4.2	4.1	4.4	4.4	4.3	2.1
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2.2	2.2	2.1	3.2	3.2	2.1	3.2	2.2	2.2	4.2	3.3
2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
3.1	3.1	3.1	3.2	3.1	3.1	3.2	3.3	3.3	3.3	2.1
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2.2	2.2	2.1	3.2	3.2	2.2	3.2	2.2	2.2	2.2	3.3
4.2	4.2	2.1	3.2	3.2	2.2	3.2	2.2	2.2	4.2	3.3
5.4	5.4	4.4	4.2	4.2	4.4	4.3	4.4	4.4	4.3	2.2
2.1	2.1	2.2	2.1	2.1	2.1	4.2	2.2	2.2	3.2	4.1
4.3	4.3	4.3	4.2	4.2	4.4	4.4	4.4	4.4	4.4	2.2
4.2	4.2	2.2	4.2	4.2	2.2	4.2	2.2	2.2	3.2	4.4
3.1	3.1	3.2	4.3	4.3	3.2	4.3	3.3	3.3	3.3	4.4
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3.2	3.2	3.1	3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.3
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3.2	3.2	2.1	3.2	3.2	2.1	2.2	2.2	2.2	4.2	3.3
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4.1	4.1	3.1	1.1	1.1	1.1	4.1	1.1	1.1	2.1	1.1
4.2	4.2	4.1	4.4	4.4	4.4	4.2	4.3	4.4	4.4	4.4

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3.1	3.1	3.2	4.3	3.2	3.1	3.2	3.3	3.3	3.1	4.4
3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2
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3.1	3.1	2.1	1.1	1.1	2.1	3.1	1.1	1.1	1.1	1.1
2.1	2.1	3.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	1.1

Draft

24x3	24x4	24x6	24x8	24x9	24x13	24x17	24x20	24x18	24x19	24x7
-0.1415547	-0.1397322	-0.1299002	-0.0929648	-0.109317	-0.0094411	-0.1315817	-0.1094176	-0.0881606	-0.0302703	-0.1144661
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	1.1
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1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	1.1
1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	1.1
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1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	1.1
1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	1.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
4.1	4.1	4.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	4.1
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
1.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	3.1	3.1	1.1
1.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	3.1	3.1	1.1
1.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	3.1	3.1	1.1
1.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	3.1	3.1	1.1
1.1	1.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	1.1
1.1	1.1	1.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	1.1
3.1	3.1	3.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	3.1
3.1	3.1	3.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	3.1

3.1	3.1	3.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	3.1
3.1	3.1	3.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	3.1
2.2	2.2	2.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
4.3	4.3	4.1	4.4	4.4	4.1	4.4	4.2	4.2	4.2	4.1
4.2	4.2	2.1	2.2	2.2	2.1	2.2	4.2	4.2	4.2	3.2
3.2	3.2	3.3	3.3	3.3	4.3	3.3	4.3	4.3	4.3	3.3
4.2	4.2	4.2	4.4	4.4	4.1	4.4	4.3	4.3	4.3	4.2
3.1	3.1	2.1	1.1	1.1	4.1	4.1	4.1	4.1	4.1	1.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	4.2
3.2	3.2	3.2	2.2	2.2	2.1	3.2	2.1	2.1	2.1	2.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
1.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
4.2	4.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	4.2
4.2	4.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
5.1	5.1	2.1	1.1	1.1	4.1	3.1	2.1	2.1	2.1	4.1
3.2	3.2	3.1	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
2.1	2.1	3.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
4.1	4.1	3.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1

4.1	4.1	3.1	1.1	1.1	3.1	4.1	3.1	3.1	3.1	2.1
4.1	4.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
4.3	4.3	3.1	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.2
3.2	3.2	3.1	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
3.2	3.2	3.1	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
2.1	2.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	2.1
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.1	3.1	3.1	4.3
3.1	3.1	3.2	3.3	3.3	4.3	3.3	3.1	3.1	3.1	3.1
4.3	4.3	3.1	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.2
3.2	3.2	3.1	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
4.3	4.3	4.2	4.4	4.4	4.1	4.2	4.1	4.1	4.1	4.2
4.1	4.1	4.3	4.4	4.4	4.1	4.4	4.1	4.1	4.1	4.2
3.2	3.2	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
2.2	2.2	4.2	2.2	2.2	2.1	3.2	2.2	2.2	2.2	2.2
3.2	3.2	3.2	2.2	2.2	2.1	2.2	3.2	3.2	3.2	3.2
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
3.2	3.2	4.3	3.3	3.3	4.3	3.3	3.2	3.2	3.2	3.2
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	3.1	3.3	3.3	3.1	3.3	3.2	3.2	3.2	4.3
2.1	2.1	2.1	2.2	2.2	3.2	2.2	2.1	2.1	2.1	3.2
4.2	4.2	3.2	2.2	2.2	3.2	2.1	3.2	3.2	3.2	3.2
3.1	3.1	3.2	3.3	3.3	3.2	3.1	3.2	3.2	3.2	3.2
3.2	3.2	3.1	3.3	3.3	3.2	3.3	3.2	3.2	3.2	4.3
3.1	3.1	3.1	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
4.1	4.1	4.4	4.4	4.4	4.1	4.3	4.2	4.2	4.2	4.1
3.2	3.2	3.1	3.3	3.3	3.1	3.3	3.2	3.2	3.2	4.3
3.1	3.1	3.1	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2

2.1	2.1	2.1	2.2	2.1	2.1	2.1	3.2	3.2	3.2	2.1
3.2	3.2	3.1	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
3.2	3.2	3.1	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
4.1	4.1	4.2	4.4	4.4	4.2	4.3	4.2	4.2	4.2	4.2
3.2	3.2	3.2	2.2	2.2	4.2	3.2	3.2	3.2	3.2	4.2
3.2	3.2	2.1	2.2	2.2	4.2	4.2	4.2	4.2	4.2	4.2
4.1	4.1	4.1	4.4	4.4	4.2	4.1	4.2	4.2	4.2	4.3
4.3	4.3	4.1	4.4	4.4	4.1	4.4	4.2	4.2	4.2	4.2
4.2	4.2	4.1	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.3
4.2	4.2	4.2	4.4	4.4	4.3	4.2	4.2	4.2	4.2	4.3
4.1	4.1	4.1	4.4	4.4	4.3	4.2	4.3	4.3	4.3	4.2
4.3	4.3	4.3	3.3	3.3	4.3	3.3	4.3	4.3	4.3	3.2
4.2	4.2	3.2	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
3.1	3.1	3.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	1.1
3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	1.1
3.1	3.1	2.1	1.1	1.1	2.1	4.1	2.1	2.1	2.1	1.1
4.1	4.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	1.1
3.1	3.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	1.1
3.1	3.1	4.1	1.1	1.1	4.1	4.1	2.1	2.1	2.1	1.1
5.1	5.1	2.1	1.1	1.1	4.1	3.1	2.1	2.1	2.1	4.1
3.1	3.1	4.1	1.1	2.1	4.1	3.1	2.1	2.1	2.1	1.1
4.1	4.1	3.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	1.1
4.1	4.1	4.2	4.1	4.4	4.3	4.1	4.3	4.3	4.3	4.3
2.1	2.1	3.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
4.1	4.1	3.1	1.1	2.1	3.1	3.1	3.1	3.1	3.1	2.1
3.1	3.1	4.1	1.1	1.1	4.1	2.1	4.1	4.1	4.1	1.1
2.1	2.1	4.1	1.1	1.1	4.1	3.1	4.1	4.1	4.1	1.1
3.1	3.1	2.1	1.1	2.1	4.1	3.1	4.1	4.1	4.1	4.1

2.1	2.1	2.1	1.1	1.1	4.1	2.1	4.1	4.1	4.1	1.1
4.1	4.1	2.1	1.1	1.1	4.1	1.1	4.1	4.1	4.1	4.1
1.1	1.1	4.1	1.1	1.1	2.1	1.1	4.1	4.1	4.1	1.1
3.1	3.1	4.1	1.1	1.1	2.1	2.1	4.1	4.1	4.1	1.1
5.1	5.1	3.1	4.1	4.1	3.1	1.1	5.1	5.1	5.1	1.1
4.2	4.2	2.2	2.2	2.1	3.2	3.2	3.2	3.2	3.2	3.2
4.3	4.3	4.1	4.4	4.4	4.3	4.1	4.2	4.2	4.2	4.3
3.2	3.2	3.2	2.2	2.2	4.2	3.2	4.2	4.2	4.2	2.2
4.2	4.2	4.2	4.4	4.2	4.1	4.2	4.3	4.3	4.3	4.1
1.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	1.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
4.1	4.1	4.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
3.1	3.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	3.1
4.1	4.1	3.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	1.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
3.1	3.1	3.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	4.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
3.3	3.3	3.3	3.1	3.3	3.1	3.1	3.3	3.2	3.3	4.3
2.1	2.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	4.1
2.1	1.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	4.1
4.1	4.1	2.1	1.1	1.1	3.1	4.1	3.1	3.1	3.1	5.1
2.1	2.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	2.1
2.1	2.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	2.1
2.1	2.1	3.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	2.1
2.1	2.1	2.1	1.1	1.1	3.1	2.1	4.1	4.1	4.1	3.1
3.2	3.2	3.1	3.3	4.3	3.1	3.3	3.1	3.1	3.1	3.2
3.1	3.1	4.1	1.1	2.1	4.1	3.1	4.1	4.1	4.1	3.1
4.3	4.3	3.2	3.1	3.3	3.1	3.1	4.3	4.3	4.3	3.2

4.1	4.1	2.1	1.1	1.1	4.1	3.1	4.1	4.1	4.1	4.1
3.1	3.1	4.1	1.1	1.1	4.1	3.1	4.1	4.1	4.1	2.1
2.1	2.1	2.1	2.2	2.2	3.2	2.1	2.1	2.1	2.1	3.2
2.2	2.2	2.1	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2
3.2	3.2	2.1	2.2	2.2	2.1	2.2	3.2	3.2	3.2	4.2
4.2	4.2	3.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	3.2	3.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	3.2	3.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
4.2	4.2	2.1	2.2	2.2	3.2	4.2	3.2	3.2	3.2	3.2
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	4.3
4.2	4.2	4.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	4.2
4.2	4.2	4.2	2.2	2.2	4.2	2.2	4.2	4.2	4.2	3.2
2.1	2.1	3.2	2.2	3.2	2.1	2.2	4.2	4.2	4.2	2.1
4.2	4.2	4.2	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.3
3.1	3.1	1.1	1.1	1.1	4.1	2.1	4.1	4.1	4.1	4.1
4.2	4.2	4.2	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.3
4.3	4.3	4.2	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.2
4.4	4.4	4.1	4.4	4.4	4.2	4.4	4.3	4.3	4.3	4.2
4.2	4.2	4.1	4.4	4.4	4.3	4.1	4.3	4.3	4.3	4.3
4.2	4.2	4.1	4.3	4.3	4.4	4.3	4.4	4.4	4.4	4.1
4.2	4.2	4.2	4.4	4.4	4.3	4.2	4.3	4.3	4.3	4.1
3.2	3.2	3.1	3.3	3.3	4.3	4.3	4.3	4.3	4.3	4.3
4.2	4.2	4.2	4.4	4.2	4.2	4.2	4.3	4.3	4.3	4.2
3.2	3.2	3.2	3.3	3.3	4.3	3.2	4.3	4.3	4.3	4.3
3.2	3.2	4.3	3.3	3.3	3.1	3.3	4.3	4.3	4.3	4.3
3.2	3.2	3.2	3.3	3.2	3.2	3.3	4.3	4.3	4.3	3.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	1.1	5.1	6.1	2.1	2.1	2.1	3.1

2.1	2.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	2.1
2.1	2.1	3.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
2.1	2.1	2.1	3.1	3.1	2.1	1.1	4.1	4.1	4.1	2.1
3.1	3.1	4.1	1.1	1.1	2.1	3.1	4.1	4.1	4.1	4.1
4.1	4.1	2.1	1.1	1.1	5.1	4.1	5.1	5.1	5.1	5.1
4.2	4.2	3.2	2.2	2.2	2.1	2.2	3.2	3.2	3.2	4.2
4.3	4.3	3.1	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
2.2	2.2	3.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	4.2
3.2	3.2	3.2	2.2	2.2	4.2	3.2	4.2	4.2	4.2	3.2
3.2	3.2	3.2	2.2	2.2	4.2	3.2	4.2	4.2	4.2	3.2
4.2	4.2	3.2	2.2	2.2	4.2	2.2	4.2	4.2	4.2	4.2
3.1	3.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
4.1	4.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
3.2	3.2	3.2	3.1	3.3	3.1	3.1	3.2	3.2	3.2	3.2
3.2	3.2	3.2	3.1	3.3	3.1	3.1	3.2	3.2	3.2	3.2
2.2	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2
3.1	3.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.2	3.2	3.2	2.1	4.2	2.1	2.1	3.2	3.2	3.2	3.2
3.2	3.2	3.2	2.1	4.2	2.1	2.1	3.2	3.2	3.2	3.2
3.2	3.2	3.2	2.1	2.2	2.1	2.1	3.2	3.2	3.2	3.2
3.2	3.2	3.2	2.1	3.2	2.1	2.1	3.2	3.2	3.2	3.2
3.3	3.3	3.2	3.3	3.3	3.2	3.1	4.3	4.3	4.3	3.2
2.1	2.1	4.1	1.1	1.1	4.1	3.1	4.1	4.1	4.1	2.1
3.2	3.2	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
3.1	3.1	3.1	3.3	3.3	3.2	3.1	3.2	3.2	3.2	4.3
2.1	2.1	2.1	2.2	2.2	3.2	2.1	2.1	2.1	2.1	3.2
4.2	4.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2

4.1	4.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	3.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	2.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
4.3	4.3	3.1	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.2
4.1	4.1	3.1	2.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
4.2	4.2	4.4	4.1	4.4	4.2	4.1	4.3	4.3	4.3	4.1
4.1	4.1	1.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	1.1
2.1	2.1	2.1	1.1	1.1	3.1	2.1	4.1	4.1	4.1	3.1
2.1	2.1	2.1	1.1	1.1	3.1	2.1	4.1	4.1	4.1	3.1
2.1	2.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
4.1	4.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
4.1	4.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	4.1
3.1	3.1	2.1	1.1	1.1	4.1	1.1	3.1	3.1	3.1	4.1
4.2	4.2	4.2	4.4	4.4	4.2	4.1	4.3	4.3	4.3	4.2
2.1	2.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	3.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	4.1
3.1	3.1	2.1	1.1	2.1	3.1	2.1	4.1	4.1	4.1	4.1
1.1	3.1	2.1	1.1	1.1	2.1	1.1	4.1	4.1	4.1	1.1
3.1	3.1	2.1	1.1	1.1	4.1	3.1	2.1	2.1	2.1	4.1
2.1	2.1	2.1	1.1	1.1	4.1	1.1	4.1	4.1	4.1	3.1
4.2	4.2	4.3	4.4	4.4	4.1	4.4	4.1	4.1	4.1	4.3
1.1	1.1	2.1	1.1	1.1	4.1	3.1	4.1	4.1	4.1	1.1
2.1	2.1	4.1	1.1	1.1	4.1	3.1	4.1	4.1	4.1	2.1

3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
3.1	3.1	3.1	3.3	3.3	3.2	3.1	4.3	4.3	4.3	3.2
3.2	3.2	3.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	4.2
3.2	3.2	2.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
3.2	3.2	2.2	4.2	2.2	3.2	2.2	3.2	3.2	3.2	4.2
3.2	3.2	2.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
3.2	3.2	2.2	2.2	4.2	3.2	2.2	3.2	3.2	3.2	3.2
4.2	4.2	2.1	2.2	2.1	2.1	2.1	3.2	3.2	3.2	2.1
4.3	4.3	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.2	4.2	2.1	2.2	2.2	3.2	2.2	3.2	3.2	3.2	2.1
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	4.3
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	4.3
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.4	4.4	4.3	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.3
3.2	3.2	2.1	2.2	2.1	3.2	2.2	4.2	4.2	4.2	2.1
4.2	4.2	4.3	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.3
4.1	4.1	4.3	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.3
4.3	4.3	4.3	4.4	4.4	4.2	4.3	4.2	4.2	4.2	4.2
4.3	4.3	4.2	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.2
4.2	4.2	4.3	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.3
4.3	4.3	4.1	4.4	4.1	4.3	4.4	4.2	4.2	4.2	4.1
2.2	2.2	4.2	2.2	2.2	4.2	2.2	4.2	4.2	4.2	3.2
3.2	3.2	3.1	3.3	3.3	4.3	3.2	3.2	3.2	3.2	4.3
4.1	4.1	4.2	4.4	4.4	4.3	4.2	4.3	4.3	4.3	4.2
4.3	4.3	4.1	4.4	4.4	4.1	4.4	4.3	4.3	4.3	4.2
3.1	3.1	3.2	3.3	3.3	3.1	3.3	4.3	4.3	4.3	4.3

5.2	5.2	5.3	5.5	5.5	5.4	5.1	5.4	5.4	5.4	5.2
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
4.1	4.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
6.1	6.1	4.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	5.1
4.2	4.2	4.1	4.4	4.2	4.2	4.1	4.2	4.2	4.2	4.3
3.2	3.2	3.1	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
2.1	2.1	3.1	1.1	2.1	1.1	1.1	3.1	3.1	3.1	2.1
5.4	5.4	5.2	5.1	5.3	5.1	5.1	5.3	5.3	5.3	5.1
4.2	4.2	4.2	4.1	4.2	4.3	4.1	4.3	4.3	4.3	4.2
1.1	1.1	4.1	1.1	1.1	3.1	5.1	3.1	3.1	3.1	2.1
2.2	2.2	2.2	2.2	2.2	2.2	2.1	3.2	3.2	3.2	2.2
2.1	2.1	4.1	1.1	1.1	4.1	2.1	4.1	4.1	4.1	3.1
2.2	2.2	4.2	2.1	5.2	2.1	2.1	4.2	4.2	4.2	3.2
3.3	3.3	3.2	3.3	3.3	3.3	3.1	4.3	4.3	4.3	3.3
4.2	4.2	4.2	2.2	2.2	4.2	4.2	3.2	3.2	3.2	4.2
3.2	3.2	3.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	4.2
3.1	3.1	3.1	3.3	3.3	3.2	3.1	3.2	3.2	3.2	3.1
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	5.3	3.3	3.3	4.3	3.3	3.2	3.2	3.2	3.2
3.2	3.2	3.2	2.2	3.2	3.2	2.2	4.2	4.2	4.2	3.2
4.2	4.2	4.1	4.4	4.3	4.1	4.4	4.2	4.2	4.2	4.2
4.3	4.3	4.2	4.4	4.1	4.3	4.4	4.3	4.3	4.3	4.3
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
4.1	4.1	2.1	3.1	3.1	2.1	1.1	2.1	2.1	2.1	1.1

4.1	4.1	2.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	3.1
4.1	4.1	2.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	3.1
2.1	2.1	3.2	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
2.1	2.1	3.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	1.1
3.1	3.1	4.1	2.1	2.1	4.1	1.1	3.1	3.1	3.1	1.1
4.1	4.1	2.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	1.1
4.1	4.1	4.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	2.1
3.1	3.1	2.1	1.1	1.1	4.1	2.1	4.1	4.1	4.1	4.1
5.1	5.1	2.1	1.1	1.1	4.1	5.1	4.1	4.1	4.1	3.1
4.3	4.3	4.2	4.4	4.4	4.1	4.3	4.1	4.3	4.1	4.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	3.2	3.2	3.2	2.2
4.3	4.3	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.3
4.3	4.3	3.1	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.1
4.3	4.3	3.1	3.3	3.3	3.2	4.3	3.2	3.2	3.2	3.2
3.3	3.3	3.1	3.3	3.3	3.2	3.3	3.2	3.2	3.2	4.3
2.1	2.1	2.1	2.2	4.2	2.1	2.2	3.2	3.2	3.2	4.2
2.1	2.1	2.1	2.2	4.2	2.1	2.2	3.2	3.2	3.2	4.2
4.2	4.2	4.2	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.3
4.3	4.3	4.1	4.4	4.4	4.1	4.4	4.2	4.2	4.2	4.4
3.2	3.2	2.1	2.2	2.2	2.1	2.2	4.2	4.2	4.2	2.2
2.2	2.2	4.2	2.2	2.2	4.2	2.2	4.2	4.2	4.2	3.2
4.3	4.3	4.2	4.4	4.4	4.2	4.3	4.2	4.2	4.2	4.2
2.1	2.1	5.2	2.2	2.2	4.2	3.2	4.2	4.2	4.2	2.1
4.2	4.2	4.3	4.4	4.4	4.3	4.4	4.3	4.3	4.3	4.3
4.2	4.2	4.4	4.4	4.3	4.1	4.4	4.3	4.3	4.3	4.1
3.2	3.2	3.2	3.3	3.3	4.3	3.2	4.3	4.3	4.3	3.1
4.3	4.3	3.1	3.3	3.3	3.2	3.3	4.3	4.3	4.3	3.2

3.2	3.2	3.2	3.3	3.3	3.2	3.3	4.3	4.3	4.3	4.3
4.4	4.4	4.1	4.4	4.4	4.3	4.2	4.2	4.2	4.2	4.3
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
4.2	4.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
4.2	4.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
3.1	3.1	2.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	3.1
3.1	3.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
2.1	2.1	1.1	1.1	2.1	2.1	2.1	3.1	3.1	3.1	2.1
4.1	4.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	4.1
4.1	4.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	3.1	3.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	2.1
4.3	4.3	4.2	4.4	4.4	4.1	4.2	4.1	4.1	4.1	4.1
4.2	4.2	4.1	4.4	4.4	4.1	4.4	4.1	4.1	4.1	4.3
3.1	3.1	3.1	1.1	1.1	2.1	1.1	4.1	4.1	4.1	2.1
1.1	1.1	3.1	1.1	1.1	4.1	2.1	4.1	4.1	4.1	1.1
4.1	4.1	2.1	1.1	1.1	3.1	1.1	4.1	4.1	4.1	4.1
4.3	4.3	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.1
3.1	3.1	3.1	3.3	3.1	3.1	3.1	3.2	3.2	3.2	3.1
3.1	3.1	3.1	3.3	3.3	3.2	3.3	3.2	3.2	3.2	4.3
2.1	2.1	2.1	2.2	2.2	3.2	2.2	3.2	3.2	3.2	4.2
4.2	4.2	2.1	3.2	2.2	2.2	3.2	2.2	2.2	2.2	2.1
3.1	3.1	3.3	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.3
2.1	2.1	2.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
4.2	4.2	3.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	3.2	2.1	4.2	2.2	3.2	2.2	3.2	3.2	3.2	5.2
4.3	4.3	4.1	4.4	4.3	4.1	4.4	4.2	4.2	4.2	4.3
4.1	4.1	4.2	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.3

4.1	4.1	4.1	4.4	4.3	4.1	4.3	4.2	4.2	4.2	4.1
3.2	3.2	2.1	2.2	2.2	4.2	2.2	4.2	4.2	4.2	2.2
4.1	4.1	4.1	4.4	4.4	4.2	4.4	4.3	4.3	4.3	4.2
4.3	4.3	4.2	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.1
4.2	4.2	4.2	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.3
2.1	2.1	2.1	2.2	2.2	3.2	2.2	4.2	4.2	4.2	2.2
4.2	4.2	4.2	4.4	4.4	4.2	4.4	4.3	4.3	4.3	4.3
4.1	4.1	4.3	4.4	4.4	4.1	4.4	4.3	4.3	4.3	4.2
3.2	3.2	3.1	3.3	3.1	3.1	3.1	4.3	4.3	4.3	3.1
4.2	4.2	4.3	4.4	4.4	4.2	4.4	4.3	4.3	4.3	4.1
3.2	3.2	3.2	3.3	3.3	4.3	3.2	4.3	4.3	4.3	4.3
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	3.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	4.1
4.1	4.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.1	3.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	2.1
2.1	2.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	4.1
3.3	3.3	3.2	3.3	3.3	3.3	3.1	4.3	4.3	4.3	3.3
3.1	3.1	5.1	1.1	2.1	4.1	1.1	5.1	5.1	5.1	4.1
3.2	4.3	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.1
3.2	3.2	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.1

3.2	3.2	3.1	3.3	3.1	3.2	3.3	3.2	3.2	3.2	4.3
3.2	3.2	3.2	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.2	4.2	2.1	2.2	2.2	3.2	2.1	3.2	3.2	3.2	3.2
3.2	3.2	3.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	4.2
4.2	4.2	4.2	2.2	2.2	4.2	2.2	3.2	3.2	3.2	3.2
3.2	3.2	3.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	4.2
3.1	3.1	3.1	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
3.2	3.2	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2
2.2	2.2	2.1	2.2	2.2	3.2	2.1	3.2	3.2	3.2	2.2
2.1	2.1	2.1	2.2	2.2	2.1	2.2	3.2	3.2	3.2	3.2
4.1	4.1	4.3	4.4	4.4	4.2	4.2	4.2	4.2	4.2	4.2
4.2	4.2	4.3	4.4	4.4	4.1	4.4	4.2	4.2	4.2	4.1
4.3	4.3	4.2	4.4	4.4	4.1	4.4	4.2	4.2	4.2	4.1
4.3	4.3	4.3	4.4	4.4	4.1	4.4	4.2	4.2	4.2	4.1
4.1	4.1	4.3	4.4	4.4	4.1	4.4	4.2	4.2	4.2	4.1
4.3	4.3	4.2	4.4	4.4	4.2	4.1	4.2	4.2	4.2	4.2
4.2	4.2	4.2	2.2	2.2	3.2	2.2	4.2	4.2	4.2	4.2
2.1	2.1	2.1	2.2	2.2	4.2	2.2	4.2	4.2	4.2	3.2
4.3	4.3	4.1	4.4	4.4	4.2	4.1	4.2	4.2	4.2	4.4
3.2	3.2	3.2	2.2	2.2	4.2	3.2	4.2	4.2	4.2	2.2
5.2	5.2	3.2	2.2	2.2	2.1	2.2	5.2	5.2	5.2	2.1
4.3	4.3	4.3	4.4	4.4	4.2	4.4	4.3	4.3	4.3	4.2
3.2	3.2	3.1	3.2	3.2	3.2	3.2	4.3	4.3	4.3	4.3
4.3	4.3	3.1	3.3	3.3	3.1	3.3	4.3	4.3	4.3	3.2
4.2	4.2	4.2	4.4	4.4	4.3	4.4	4.3	4.3	4.3	4.4
5.2	5.2	5.2	5.5	5.5	5.3	5.5	5.2	5.2	5.2	5.3
4.4	4.4	5.4	4.4	4.4	4.4	4.1	4.2	4.2	4.2	4.3
4.2	4.2	4.4	4.3	4.2	4.1	4.1	4.2	4.2	4.2	4.1

3.1	3.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
4.2	4.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
3.1	3.1	1.1	1.1	2.1	3.1	4.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	3.1	4.1	3.1	3.1	3.1	4.1
4.1	4.1	5.1	1.1	1.1	3.1	2.1	6.1	6.1	6.1	3.1
3.1	3.1	3.1	3.3	3.1	3.1	3.3	3.2	3.2	3.2	4.3
2.2	2.2	2.1	2.2	2.2	3.2	2.1	4.2	4.2	4.2	3.2
3.1	3.1	3.2	4.3	4.3	3.2	3.3	3.2	3.2	3.2	3.3
3.3	3.3	3.2	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.3
2.1	2.1	2.1	2.2	2.2	2.1	2.2	3.2	3.2	3.2	2.2
4.3	4.3	4.3	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.3
3.1	3.1	3.1	3.3	3.3	3.1	3.1	3.2	3.2	3.2	3.3
3.1	3.1	1.1	2.1	1.1	2.1	2.1	4.1	4.1	4.1	2.1
4.3	4.3	4.1	4.4	4.4	4.2	4.2	4.2	4.2	4.2	4.2
3.2	3.2	2.1	2.2	2.2	2.1	2.2	4.2	4.2	4.2	2.2
4.2	4.2	2.1	2.2	2.1	4.2	2.2	4.2	4.2	4.2	4.2
3.2	3.2	3.3	3.3	3.3	4.3	3.2	4.3	4.3	4.3	3.3
4.2	4.2	4.1	4.4	4.4	4.2	4.4	4.3	4.3	4.3	4.4
3.1	3.1	3.1	3.3	3.2	3.1	3.1	4.3	4.3	4.3	3.3
4.2	4.2	4.3	4.4	4.4	4.3	4.4	4.3	4.3	4.3	4.4
3.2	3.2	3.1	3.3	3.3	3.1	3.2	4.3	4.3	4.3	3.3
3.1	3.1	5.1	1.1	1.1	2.1	4.1	2.1	2.1	2.1	6.1
3.1	3.1	5.1	1.1	1.1	2.1	4.1	2.1	2.1	2.1	6.1
4.1	4.1	5.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	6.1
4.3	4.3	3.1	3.3	3.3	3.1	3.2	3.1	3.1	3.1	3.3
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1

2.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	3.2	3.3	3.3	3.2	3.3	3.1	3.1	3.1	3.1
3.1	3.1	2.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	2.1
3.1	3.1	2.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	2.1
2.1	1.1	2.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	3.1
2.1	1.1	3.1	1.1	3.1	3.1	1.1	2.1	2.1	3.1	3.1
2.1	2.1	2.1	1.1	2.1	2.1	1.1	3.1	3.1	3.1	1.1
3.1	3.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.2	3.2	3.2	3.3	3.3	3.1	3.3	3.1	3.1	3.1	4.3
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.1	3.1	3.1	4.3
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.2
1.1	1.1	2.1	1.1	1.1	4.1	5.1	4.1	4.1	4.1	3.1
2.1	2.1	2.1	1.1	1.1	4.1	3.1	2.1	2.1	2.1	4.1
3.2	3.2	3.2	2.1	2.2	3.2	2.1	4.2	4.2	4.2	3.2
3.1	3.1	3.1	1.1	1.1	4.1	2.1	4.1	4.1	4.1	3.1
3.1	2.1	4.1	1.1	4.1	4.1	1.1	2.1	2.1	4.1	4.1
3.2	2.1	4.2	2.2	4.2	4.2	2.1	2.2	2.2	4.2	4.2
4.1	1.1	3.1	1.1	4.1	3.1	1.1	2.1	2.1	4.1	3.1
4.2	4.2	4.1	4.4	4.4	4.1	4.4	4.1	4.1	4.1	4.3
3.1	1.1	4.1	1.1	5.1	4.1	1.1	2.1	2.1	5.1	4.1
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.2

3.2	3.2	3.1	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.3	4.3	3.2	3.3	3.3	3.1	3.3	3.2	3.2	3.2	3.3
3.2	3.2	2.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
4.3	4.3	3.1	3.3	3.2	3.1	3.3	3.2	3.2	3.2	3.1
3.2	3.2	4.3	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	2.1	2.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	3.2	3.3	3.3	3.1	3.1	3.3	3.2	3.2	3.2	3.2
2.1	2.1	4.2	2.2	2.2	4.2	2.1	4.2	4.2	4.2	3.2
3.2	3.2	2.1	2.2	2.1	2.1	2.2	4.2	4.2	4.2	2.2
4.2	4.2	2.1	2.2	2.2	4.2	2.2	4.2	4.2	4.2	4.2
4.3	4.3	4.2	4.4	4.4	4.3	4.4	4.2	4.2	4.2	4.2
2.1	2.1	2.1	2.2	2.1	2.1	2.2	4.2	4.2	4.2	3.2
4.2	4.2	4.1	4.4	4.4	4.2	4.2	4.3	4.3	4.3	4.2
3.2	3.2	3.1	3.3	3.1	3.1	3.2	4.3	4.3	4.3	3.2
2.2	2.2	4.2	3.2	2.2	2.1	2.1	2.2	2.2	2.2	4.2
4.2	4.2	4.2	4.4	4.2	4.1	4.1	4.3	4.3	4.2	4.1
3.1	3.1	3.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	1.1
4.1	4.1	2.1	1.1	2.1	3.1	1.1	3.1	3.1	3.1	1.1
2.1	2.1	2.1	1.1	1.1	2.1	2.1	3.1	3.1	3.1	1.1
4.2	4.2	4.3	4.4	4.4	4.1	4.3	4.1	4.1	4.1	4.1
2.1	2.1	1.1	2.1	1.1	3.1	2.1	3.1	3.1	3.1	4.1
4.1	4.1	4.1	2.1	1.1	4.1	2.1	3.1	3.1	3.1	4.1
2.2	2.2	2.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
4.3	4.3	4.1	4.4	4.4	4.2	4.2	4.2	4.2	4.2	4.4
3.1	3.1	3.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	3.1
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	4.2
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	4.2

2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1
3.1	3.1	3.1	4.3	4.3	3.1	3.2	3.1	3.1	3.1	3.1
4.2	4.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.2	3.2	3.2	4.3
4.2	4.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	3.2
2.1	2.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	1.1	1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1
3.2	3.2	3.1	3.1	4.3	4.3	3.1	3.2	3.2	3.2	3.2
3.2	3.2	3.1	3.1	3.3	3.3	3.1	3.2	3.2	3.2	3.2
3.2	3.2	3.1	3.1	4.3	4.3	3.1	3.2	3.2	3.2	3.2
3.2	3.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.1	4.2
3.1	3.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
5.1	5.1	4.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	1.1
2.1	2.1	3.1	1.1	1.1	5.1	1.1	2.1	2.1	2.1	4.1
3.1	3.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	4.1
3.1	3.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	4.1
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
3.1	3.1	2.1	1.1	2.1	2.1	1.1	3.1	3.1	3.1	3.1
4.3	4.3	4.2	4.1	5.4	4.2	4.1	4.3	4.3	4.3	4.3
3.2	3.2	2.1	2.1	4.2	2.1	2.1	3.2	3.2	3.2	3.2
3.2	3.2	2.1	2.1	4.2	2.1	2.1	3.2	3.2	3.2	3.2
3.2	3.2	2.1	2.1	4.2	4.2	2.1	3.2	3.2	3.2	3.2
3.2	3.2	2.1	2.1	4.2	4.2	2.1	3.2	3.2	3.2	3.2
3.2	3.2	2.1	2.1	3.2	3.2	2.1	3.2	3.2	3.2	3.2
3.2	3.2	4.3	3.3	3.3	3.1	4.3	3.1	3.1	3.1	3.2
4.1	4.1	3.1	1.1	1.1	3.1	4.1	3.1	3.1	3.1	2.1
4.1	4.1	2.1	1.1	2.1	3.1	2.1	3.1	3.1	3.1	2.1

4.3	4.3	4.2	4.4	4.4	4.1	4.3	4.1	4.1	4.1	4.3
3.1	3.1	2.1	1.1	1.1	4.1	3.1	4.1	4.1	4.1	3.1
4.2	4.2	3.2	2.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
4.1	4.1	4.1	4.3	4.4	4.1	4.3	4.2	4.2	4.2	4.3
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	2.1	2.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	3.2	2.1	2.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
4.2	4.2	2.1	2.2	2.1	2.1	2.1	3.2	3.2	3.2	4.2
3.2	3.2	2.1	2.2	2.2	2.1	2.2	3.2	3.2	3.2	3.2
3.2	3.2	3.1	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.1	3.1	3.1	3.3	3.1	3.1	3.3	3.2	3.2	3.2	3.1
4.3	4.3	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	4.3
4.2	4.2	3.2	2.2	2.2	3.2	4.2	3.2	3.2	3.2	4.2
2.1	2.1	2.1	2.2	2.2	3.2	2.1	3.2	3.2	3.2	4.2
2.1	2.1	2.1	2.2	2.1	2.1	2.1	3.2	3.2	3.2	2.1
4.3	4.3	4.1	4.4	4.2	4.2	4.2	4.2	4.2	4.2	4.1
4.2	4.2	4.1	4.4	4.4	4.2	4.4	4.3	4.2	4.2	4.2
2.1	2.1	2.1	2.2	3.2	2.1	2.1	4.2	4.2	4.2	2.1
5.2	2.2	2.2	2.2	2.2	4.2	3.2	4.2	4.2	4.2	4.2
2.1	2.1	2.1	2.2	2.1	2.1	2.1	4.2	4.2	4.2	3.2
4.3	4.3	4.2	4.1	4.1	4.3	4.4	4.3	4.3	4.3	4.3
3.1	3.1	3.1	3.3	3.1	3.1	3.1	4.3	4.3	4.3	3.2
3.1	3.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	3.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	2.1
4.1	4.1	3.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1

3.1	3.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	4.1
3.1	3.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	1.1
5.1	5.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	1.1	3.1	1.1	2.1	2.1	2.1	2.1
4.1	4.1	4.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
3.1	3.1	5.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	4.1
3.1	3.1	2.1	1.1	2.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	1.1	1.1	2.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	4.1	1.1	2.1	4.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	2.1	2.1	1.1	2.1	2.1	2.1	4.1
3.1	3.1	3.2	3.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
3.2	3.2	2.2	2.2	3.2	2.1	2.1	3.2	3.2	3.2	4.2
3.1	3.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
2.1	2.1	3.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	2.1
4.1	4.1	3.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.1	3.1	2.1	1.1	1.1	2.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	1.1
2.1	2.1	3.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.2	3.2	3.2	2.2	2.2	3.2	2.1	3.2	3.2	3.2	3.2
2.1	2.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1

2.1	2.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
2.1	2.1	3.1	1.1	3.1	3.1	1.1	3.1	3.1	3.1	2.1
3.1	3.1	4.1	1.1	1.1	4.1	1.1	3.1	3.1	3.1	3.1
2.1	2.1	2.1	1.1	2.1	3.1	1.1	3.1	3.1	3.1	4.1
2.1	2.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	3.1	2.1
3.1	3.1	2.1	1.1	2.1	2.1	1.1	4.1	4.1	4.1	3.1
4.2	4.2	2.2	2.2	3.2	2.1	2.1	3.2	3.2	3.2	3.2
3.2	3.2	3.1	3.3	3.3	3.1	3.3	3.2	3.2	3.2	4.3
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
2.1	2.1	2.1	2.2	2.1	2.1	2.2	3.2	3.2	3.2	3.2
3.2	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
2.2	2.2	2.1	2.2	2.1	3.2	2.2	3.2	3.2	3.2	2.2
3.2	3.2	3.3	3.3	3.1	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.2	3.1	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.3	4.3	3.1	3.3	3.3	3.2	3.3	3.2	3.2	3.2	4.3
5.2	5.2	4.2	2.2	2.2	4.2	3.2	4.2	4.2	4.2	3.2
1.1	1.1	2.1	1.1	1.1	1.1	4.1	2.1	2.1	2.1	3.1
3.2	3.2	3.2	2.2	2.2	4.2	4.2	4.2	4.2	4.2	4.2
4.4	4.4	4.2	4.4	4.4	4.2	4.4	4.2	4.2	4.2	4.3
4.1	4.1	4.2	4.4	4.4	4.2	4.4	4.3	4.3	4.3	4.3
3.2	3.2	4.3	3.3	3.3	4.3	3.3	4.3	4.3	4.3	4.3
3.2	3.2	4.2	2.2	2.2	4.2	3.2	2.2	2.2	2.2	2.2
3.2	3.2	3.1	3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.3
3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2
3.3	3.3	3.1	3.3	3.3	3.1	3.2	3.2	3.2	3.2	4.3
3.2	3.2	3.2	2.2	2.2	4.2	3.2	2.2	2.2	2.2	4.2
4.1	4.1	3.1	1.1	1.1	1.1	4.1	1.1	1.1	1.1	2.1
4.2	4.2	4.1	4.4	4.4	4.4	4.2	4.4	4.3	4.4	4.4

3.2	3.2	3.2	3.3	3.3	3.1	3.2	3.3	3.3	3.3	3.1
3.2	3.2	3.2	3.3	3.3	3.1	3.2	3.3	3.3	3.3	3.1
4.1	4.1	4.2	4.4	4.2	4.1	4.2	4.3	4.3	4.3	4.1
3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2
3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2
3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2
4.3	4.3	4.2	4.4	4.4	4.1	4.3	4.2	4.2	4.2	4.2
3.2	3.2	2.1	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2
3.1	3.1	2.1	1.1	1.1	2.1	3.1	1.1	1.1	1.1	1.1
2.1	2.1	3.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	1.1

Draft

Allele combinations in hybrids (hybrids codes based on YDF# at Table S1)										
18x2	18x3	18x4	18x6	18x8	18x9	18x13	18x17	18x7	19x2	19x3
-0.0390028	-0.1916214	-0.1151549	-0.3832402	0.04505965	-0.4506821	-0.148244	0	-0.0355586	0.04451266	-0.1475882
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1
2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
3.1	4.3	4.3	4.3	3.1	3.1	3.3	3.2	4.3	3.1	4.3
3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	3.1	1.1
3.1	3.1	3.1	3.2	3.1	3.1	3.3	3.3	3.1	3.1	3.1
3.1	3.1	3.1	3.2	3.1	3.1	3.3	3.3	3.1	3.1	3.1
3.1	3.1	3.1	3.2	3.1	3.1	3.3	3.3	3.1	3.1	3.1
3.1	3.1	3.1	3.2	3.1	3.1	3.3	3.1	3.1	3.1	3.1
3.1	3.1	3.1	3.1	3.1	3.1	3.3	3.1	3.1	3.1	3.1
3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.1	3.3

3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.1	3.3
3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2
4.2	3.2	3.2	2.1	4.2	4.2	2.1	4.2	2.1	4.2	3.2
4.2	4.4	4.4	4.1	4.2	4.2	4.1	4.2	4.3	4.2	4.4
4.3	4.2	4.2	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.2
4.3	3.2	3.2	3.2	4.3	4.3	3.1	4.3	3.2	4.3	3.2
4.3	4.3	4.3	4.2	4.1	4.1	4.4	4.4	4.1	4.3	4.3
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	4.1	2.1	3.1
2.1	3.1	3.1	3.1	2.1	2.1	1.1	3.1	1.1	2.1	3.1
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	3.1	2.1	3.1
2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.1
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	3.1
2.1	4.1	4.1	1.1	2.1	2.1	1.1	2.1	3.1	2.1	4.1
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	4.1	2.1	3.1
2.1	4.1	4.1	1.1	2.1	2.1	1.1	2.1	3.1	2.1	4.1
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	5.2	5.2	2.2	2.1	2.1	4.2	3.2	4.2	2.1	5.2
3.1	2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	3.1	2.1
3.1	3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.1	3.2
3.1	4.3	4.3	3.3	3.1	3.1	3.3	3.2	3.3	3.1	4.3

3.1	4.3	4.3	3.3	3.1	3.1	3.3	4.3	3.2	3.1	4.3
3.1	4.3	4.3	3.2	3.1	3.1	3.3	3.1	3.3	3.1	4.3
3.1	4.1	4.1	1.1	3.1	3.1	1.1	3.1	2.1	3.1	4.1
3.1	2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	3.1	2.1
3.1	2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	3.1	2.1
3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.2	3.1	3.2
3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	4.1	3.1	1.1
3.1	1.1	1.1	2.1	3.1	3.1	4.1	3.1	1.1	3.1	1.1
3.1	4.1	4.1	1.1	3.1	3.1	1.1	3.1	2.1	3.1	4.1
3.1	2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	3.1	2.1
4.1	3.1	3.1	2.1	4.1	4.1	1.1	2.1	2.1	4.1	3.1
4.1	1.1	1.1	3.1	4.1	4.1	1.1	4.1	2.1	4.1	1.1
3.2	2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2	2.2
3.2	2.2	2.2	4.2	2.2	2.2	2.1	3.2	2.2	3.2	2.2
3.2	3.3	3.3	3.3	3.2	3.2	3.1	3.2	3.3	3.2	3.3
3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2	2.2
3.2	2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2	2.2
3.2	2.2	2.2	4.2	3.2	3.2	4.2	3.2	2.2	3.2	2.2
3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2	2.2
3.2	2.2	2.2	2.1	3.2	3.2	2.1	3.2	4.2	3.2	2.2
2.1	1.1	1.1	1.1	2.1	2.1	3.1	2.1	3.1	2.1	1.1
3.2	4.3	4.3	3.3	3.2	3.2	3.3	3.1	3.3	3.2	4.3
3.2	2.1	2.1	2.2	3.2	3.2	2.2	2.1	2.2	3.2	2.1
3.2	2.2	2.2	2.1	3.2	3.2	2.2	3.2	4.2	3.2	2.2
3.2	2.1	2.1	2.1	3.2	3.2	2.1	3.2	2.2	3.2	2.1
3.2	2.1	2.1	4.2	4.2	4.2	2.1	3.2	2.1	3.2	2.1
3.2	2.2	2.2	2.1	3.2	3.2	2.1	3.2	4.2	3.2	2.2
3.2	2.1	2.1	2.1	3.2	3.2	2.1	3.2	2.2	3.2	2.1

3.1	3.1	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.1	3.1
3.2	2.2	2.2	2.1	3.2	3.2	2.1	3.2	2.2	3.2	2.2
3.2	2.2	2.2	2.1	3.2	3.2	2.1	3.2	2.2	3.2	2.2
4.2	2.1	2.1	2.2	4.2	4.2	2.2	3.2	2.2	4.2	2.1
3.2	3.3	3.3	3.3	3.2	3.2	4.3	3.3	4.3	3.2	3.3
4.2	4.3	4.3	4.1	4.2	4.2	4.4	4.4	4.4	4.2	4.3
4.2	2.1	2.1	2.1	4.2	4.2	2.2	2.1	3.2	4.2	2.1
4.2	3.2	3.2	2.1	4.2	4.2	2.1	4.2	2.2	4.2	3.2
4.3	3.2	3.2	3.1	4.3	4.3	3.3	3.3	3.3	4.3	3.2
4.2	2.2	2.2	2.2	4.2	4.2	3.2	2.2	3.2	4.2	2.2
4.3	3.1	3.1	3.1	4.3	4.3	3.3	3.2	3.2	4.3	3.1
4.3	4.4	4.4	4.4	4.3	4.3	4.4	4.3	4.2	4.3	4.4
2.1	4.1	4.1	3.1	2.1	2.1	1.1	2.1	3.1	2.1	4.1
2.1	3.2	3.2	3.2	2.1	2.1	2.2	3.2	2.1	2.1	3.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.2	2.1	2.1	3.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	4.2	2.1	2.1	3.2
2.1	4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.1	2.1	4.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.2	2.1	2.1	3.2
2.1	3.2	3.2	4.2	2.1	2.1	4.2	4.2	2.1	2.1	3.2
2.1	5.2	5.2	2.2	2.1	2.1	4.2	3.2	4.2	2.1	5.2
2.1	3.2	3.2	4.2	2.1	2.2	4.2	3.2	2.1	2.1	3.2
3.1	4.3	4.3	3.3	3.1	3.1	3.3	3.2	3.1	3.1	4.3
3.1	3.1	3.1	3.2	3.1	4.3	3.3	3.1	3.3	3.1	3.1
3.1	3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.1	3.2
3.1	4.3	4.3	3.3	3.1	3.2	3.3	3.3	3.2	3.1	4.3
4.1	4.3	4.3	4.4	4.1	4.1	4.4	4.2	4.1	4.1	4.3
4.1	4.2	4.2	4.4	4.1	4.1	4.4	4.3	4.1	4.1	4.2
4.1	4.3	4.3	4.2	4.1	4.2	4.4	4.3	4.4	4.1	4.3

4.1	4.2	4.2	4.2	4.1	4.1	4.4	4.2	4.1	4.1	4.2
4.1	4.4	4.4	4.2	4.1	4.1	4.4	4.1	4.4	4.1	4.4
4.1	4.1	4.1	4.4	4.1	4.1	4.2	4.1	4.1	4.1	4.1
4.1	4.3	4.3	4.4	4.1	4.1	4.2	4.2	4.1	4.1	4.3
5.4	5.5	5.5	5.3	5.4	5.4	5.3	5.1	5.1	5.4	5.5
3.2	4.3	4.3	3.2	3.2	3.1	3.3	3.3	3.3	3.2	4.3
4.2	3.2	3.2	2.1	4.2	4.2	3.2	2.1	3.2	4.2	3.2
4.2	4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.2	4.2	4.3
4.3	3.2	3.2	3.2	4.3	3.2	3.1	3.2	3.1	4.3	3.2
2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1	2.1	2.1
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	3.1
2.1	4.2	4.2	4.2	2.1	2.1	2.2	2.1	3.2	2.1	4.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	3.2	2.1	3.2
2.1	4.2	4.2	3.2	2.1	2.1	2.2	3.2	2.1	2.1	4.2
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	3.1
2.1	3.2	3.2	3.2	2.1	2.1	2.2	2.1	4.2	2.1	3.2
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	3.2	3.2	3.2	2.1	3.2	2.1	2.1	4.2	3.1	3.3
3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	4.3	3.1	3.2
3.1	3.2	3.1	3.2	3.1	3.1	3.3	3.1	4.3	3.1	3.2
3.1	4.3	4.3	3.2	3.1	3.1	3.3	4.3	5.3	3.1	4.3
3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.2	3.1	3.2
3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.2	3.1	3.2
3.1	3.2	3.2	3.3	3.1	3.1	3.2	3.1	3.2	3.1	3.2
4.1	4.2	4.2	4.2	4.1	4.1	4.3	4.2	4.3	4.1	4.2
4.1	2.1	2.1	1.1	3.1	4.1	1.1	3.1	2.1	4.1	2.1
4.1	4.3	4.3	4.4	4.1	4.2	4.4	4.3	4.3	4.1	4.3
4.1	4.4	4.4	4.2	4.1	4.3	4.1	4.1	4.2	4.1	4.4

4.1	4.4	4.4	4.2	4.1	4.1	4.4	4.3	4.4	4.1	4.4
4.1	4.3	4.3	4.4	4.1	4.1	4.4	4.3	4.2	4.1	4.3
2.1	1.1	1.1	1.1	2.1	2.1	3.1	1.1	3.1	2.1	1.1
3.2	3.2	3.2	3.1	3.2	3.2	3.3	3.3	3.3	3.2	3.2
3.2	3.3	3.3	3.1	3.2	3.2	3.1	3.2	4.3	3.2	3.3
3.2	4.3	4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.2	4.3
3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	3.3
3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	3.3
3.2	4.3	4.3	3.1	3.2	3.2	3.3	4.3	3.3	3.2	4.3
3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	4.2	3.2	2.2
3.2	4.3	4.3	4.3	3.2	3.2	3.3	3.2	4.3	3.2	4.3
4.2	4.4	4.4	4.4	4.2	4.2	4.4	4.2	4.3	4.2	4.4
4.3	4.1	4.1	4.3	4.2	4.3	4.1	4.2	4.1	4.3	4.1
4.2	2.2	2.2	2.2	4.2	4.2	2.2	4.2	3.2	4.2	2.2
4.2	4.3	4.3	4.1	4.1	4.1	4.4	4.2	4.4	4.2	4.3
4.2	2.2	2.2	2.2	4.2	4.2	2.2	4.2	3.2	4.2	2.2
4.2	3.2	3.2	2.2	4.2	4.2	2.2	4.2	2.2	4.2	3.2
4.3	4.3	4.3	3.1	4.3	4.3	3.2	4.3	3.2	4.3	4.3
4.3	3.2	3.2	3.1	4.3	4.3	3.3	3.1	3.3	4.3	3.2
4.3	4.2	4.2	4.1	4.3	4.3	4.4	4.3	4.1	4.3	4.2
4.3	3.2	3.2	3.2	4.3	4.3	3.3	3.2	3.1	4.3	3.2
4.3	4.2	4.2	4.1	4.3	4.3	4.4	4.4	4.4	4.3	4.2
3.2	3.2	3.2	3.2	4.3	3.2	3.2	3.2	3.2	3.2	3.2
4.3	4.2	4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.3	4.2
4.3	4.2	4.2	4.4	4.3	4.3	4.1	4.3	4.4	4.3	4.2
4.3	4.2	4.2	4.2	4.3	4.2	4.2	4.3	4.1	4.3	4.2
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	3.1
2.1	2.1	2.1	2.2	2.1	2.1	5.2	6.2	3.2	2.1	2.1

3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.2	3.1	3.2
3.1	3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.1	3.2
4.1	4.2	4.2	4.2	4.3	4.3	4.2	4.1	4.2	4.1	4.2
4.1	4.3	4.3	4.4	4.1	4.1	4.2	4.3	4.4	4.1	4.3
5.1	5.4	5.4	5.2	5.1	5.1	5.5	5.4	5.5	5.1	5.4
3.2	4.3	4.3	3.3	3.2	3.2	3.1	3.2	4.3	3.2	4.3
3.2	4.2	4.2	2.1	3.2	3.2	2.2	2.2	2.2	3.2	4.2
3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2	2.2
3.2	3.2	3.2	3.3	3.2	3.2	3.3	3.2	4.3	3.2	3.2
4.2	4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.3	4.2	4.3
4.2	4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.3	4.2	4.3
4.2	4.4	4.4	4.3	4.2	4.2	4.4	4.2	4.4	4.2	4.4
2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1	3.2
2.1	4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1	4.2
2.1	2.2	2.2	2.2	2.1	3.2	2.1	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.2	2.1	3.2	2.1	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	3.2
3.1	3.3	3.3	3.3	3.1	4.3	3.1	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.3	3.1	4.3	3.1	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.3	3.1	3.2	3.1	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.3	3.1	3.3	3.1	3.1	3.3	3.1	3.3
4.3	4.3	4.3	4.2	4.3	4.3	4.2	4.1	4.2	4.3	4.3
4.1	4.2	4.2	4.4	4.1	4.1	4.4	4.3	4.2	4.1	4.2
3.2	2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2	2.2
3.2	2.1	2.1	2.1	3.2	3.2	2.2	2.1	4.2	3.2	2.1
2.1	1.1	1.1	1.1	2.1	2.1	3.1	1.1	3.1	2.1	1.1
2.1	4.1	4.1	1.1	2.1	2.1	1.1	2.1	3.1	2.1	4.1

2.1	4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1	4.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1	3.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	3.2
2.1	2.2	2.2	3.2	2.1	2.1	3.2	2.1	2.2	2.1	2.2
2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1	3.2
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	3.1
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	3.1
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
3.1	4.1	4.1	1.1	3.1	3.1	1.1	3.1	2.1	3.1	4.1
3.1	4.3	4.3	3.3	3.2	3.2	3.3	3.1	3.3	3.1	4.3
4.3	3.2	3.2	4.3	3.1	4.3	3.2	3.1	3.1	4.3	3.2
3.1	4.3	4.3	3.1	3.1	3.1	3.3	3.2	3.1	3.1	4.3
4.1	4.2	4.2	4.2	4.1	4.1	4.3	4.2	4.3	4.1	4.2
4.1	4.2	4.2	4.2	4.1	4.1	4.3	4.2	4.3	4.1	4.2
3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.1	3.2
3.1	4.3	4.3	3.2	3.1	3.1	3.3	3.2	3.3	3.1	4.3
3.1	4.3	4.3	3.2	3.1	3.1	3.3	3.1	4.3	3.1	4.3
3.1	3.3	3.3	3.2	3.1	3.1	4.3	3.1	4.3	3.1	3.3
4.3	3.2	3.2	3.2	4.3	4.3	3.2	3.1	3.2	4.3	3.2
3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.1	3.2
3.1	3.3	3.3	3.2	3.1	3.1	3.3	3.1	4.3	3.1	3.3
4.1	4.3	4.3	4.2	4.1	4.2	4.3	4.2	4.4	4.1	4.3
4.1	4.1	4.3	4.2	4.1	4.1	4.2	4.1	4.1	4.1	4.1
2.1	3.2	3.2	2.2	2.1	2.1	4.2	3.2	4.2	2.1	3.2
4.1	4.2	4.2	4.2	4.1	4.1	4.4	4.1	4.3	4.1	4.2
4.1	2.1	2.1	3.1	4.1	4.1	1.1	4.1	3.1	4.1	2.1
4.1	4.1	4.1	4.2	4.1	4.1	4.4	4.3	4.1	4.1	4.1
4.1	4.2	4.2	4.4	4.1	4.1	4.4	4.3	4.2	4.1	4.2

3.2	2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	3.2	2.1
4.3	4.1	4.1	4.1	4.3	4.3	4.2	4.1	4.2	4.3	4.1
3.2	3.3	3.3	3.3	3.2	3.2	3.3	3.2	4.3	3.2	3.3
3.2	3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.3
3.2	3.3	3.3	3.2	4.3	3.2	3.3	3.2	4.3	3.2	3.3
3.2	3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.3
3.2	3.3	3.3	3.2	3.2	4.3	3.3	3.2	3.3	3.2	3.3
3.2	4.3	4.3	3.1	3.2	3.1	3.1	3.1	3.1	3.2	4.3
3.2	4.2	4.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2	4.2
3.2	4.3	4.3	3.1	3.2	3.2	3.3	3.2	3.1	3.2	4.3
3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	4.2	3.2	2.2
3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	4.2	3.2	2.2
3.2	2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	3.2	2.1
3.2	2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	3.2	2.1
3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2	2.2
4.2	4.2	4.2	3.2	4.2	4.2	2.2	4.2	3.2	4.2	4.2
4.2	4.3	4.3	4.1	4.2	4.1	4.3	4.2	4.1	4.2	4.3
4.2	2.2	2.2	3.2	4.2	4.2	2.2	4.2	3.2	4.2	2.2
4.2	2.1	2.1	3.2	4.2	4.2	2.2	4.2	3.2	4.2	2.1
4.2	3.2	3.2	3.2	4.2	4.2	2.2	3.2	2.2	4.2	3.2
4.2	3.2	3.2	2.2	4.2	4.2	2.2	4.2	2.2	4.2	3.2
4.2	2.2	2.2	3.2	4.2	4.2	2.2	4.2	3.2	4.2	2.2
4.2	3.2	3.2	2.1	4.2	2.1	3.2	4.2	2.1	4.2	3.2
4.2	4.2	4.2	4.4	4.2	4.2	4.4	4.2	4.3	4.2	4.2
3.2	2.2	2.2	2.1	3.2	3.2	4.2	2.2	4.2	3.2	2.2
4.3	3.1	3.1	3.2	4.3	4.3	3.3	3.2	3.2	4.3	3.1
4.3	3.3	3.3	3.1	4.3	4.3	3.1	4.3	3.2	4.3	3.3
4.3	4.1	4.1	4.2	4.3	4.3	4.1	4.3	4.4	4.3	4.1

5.4	4.2	4.2	4.3	5.4	5.4	4.4	4.1	4.2	5.4	4.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	3.2
2.1	4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1	4.2
2.1	6.2	6.2	4.2	2.1	2.1	2.2	3.2	5.2	2.1	6.2
2.1	2.2	2.2	2.1	4.2	2.2	2.2	2.1	3.2	2.1	2.2
3.1	2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	3.1	2.1
3.1	3.2	3.2	3.3	3.1	3.2	3.1	3.1	3.2	3.1	3.2
3.1	4.3	4.3	3.2	3.1	3.3	3.1	3.1	3.1	3.1	4.3
3.1	3.2	3.2	3.2	3.1	3.2	3.3	3.1	3.2	3.1	3.2
3.1	3.1	3.1	4.3	3.1	3.1	3.3	5.3	3.2	3.1	3.1
3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.2	3.1	3.2
4.1	4.2	4.2	4.4	4.1	4.1	4.4	4.2	4.3	4.1	4.2
4.1	4.2	4.2	4.4	4.1	5.4	4.1	4.1	4.3	4.1	4.2
4.3	4.3	4.3	4.2	4.3	4.3	4.3	4.1	4.3	4.3	4.3
3.2	4.3	4.3	4.3	3.2	3.2	4.3	4.3	4.3	3.2	4.3
3.2	3.3	3.3	3.3	3.2	3.2	3.3	3.2	4.3	3.2	3.3
3.2	2.1	2.1	2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1
3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2	2.2
3.2	2.2	2.2	5.2	3.2	3.2	4.2	3.2	2.2	3.2	2.2
4.2	4.3	4.3	4.3	4.2	4.3	4.3	4.2	4.3	4.2	4.3
4.2	2.2	2.2	2.1	4.2	3.2	2.1	4.2	2.2	4.2	2.2
4.3	3.3	3.3	3.2	4.3	3.1	3.3	4.3	3.3	4.3	3.3
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	3.1
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	4.2	4.2	2.2	3.2	3.2	2.2	2.1	2.1	2.1	4.2

2.1	4.2	4.2	2.2	2.1	2.1	3.2	2.1	3.2	2.1	4.2
2.1	4.2	4.2	2.2	2.1	2.1	3.2	2.1	3.2	2.1	4.2
2.1	1.1	1.1	3.1	2.1	2.1	1.1	2.1	3.1	2.1	1.1
3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	3.1	1.1
3.1	3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.1	3.1	3.2
3.1	3.3	3.3	4.3	3.2	3.2	4.3	3.1	3.1	3.1	3.3
3.1	4.3	4.3	3.2	3.1	3.1	3.2	3.1	3.1	3.1	4.3
3.1	4.3	4.3	4.3	3.1	3.1	3.3	3.1	3.2	3.1	4.3
4.1	4.3	4.3	4.2	4.1	4.1	4.4	4.2	4.4	4.1	4.3
4.1	5.4	5.4	4.2	4.1	4.1	4.4	5.4	4.3	4.1	5.4
4.3	3.3	3.3	3.2	4.3	4.3	3.1	3.3	3.1	4.1	3.1
3.2	3.1	3.1	3.1	3.2	3.2	3.1	3.2	3.2	3.2	3.1
3.2	4.2	4.2	2.2	3.2	3.2	2.2	3.2	3.2	3.2	4.2
3.2	4.2	4.2	2.1	3.2	3.2	2.1	3.2	2.1	3.2	4.2
3.2	4.2	4.2	2.1	3.2	3.2	2.2	4.2	2.2	3.2	4.2
3.2	3.2	3.2	2.1	3.2	3.2	2.2	3.2	4.2	3.2	3.2
3.2	3.1	3.1	3.1	3.2	4.3	3.1	3.2	4.3	3.2	3.1
3.2	3.1	3.1	3.1	3.2	4.3	3.1	3.2	4.3	3.2	3.1
4.2	2.2	2.2	2.2	4.2	4.2	2.2	4.2	3.2	4.2	2.2
4.2	3.2	3.2	2.1	4.2	4.2	2.1	4.2	4.2	4.2	3.2
4.2	4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.2	4.2	4.3
4.2	4.2	4.2	4.4	4.2	4.2	4.4	4.2	4.3	4.2	4.2
4.2	3.2	3.2	2.2	4.2	4.2	2.2	3.2	2.2	4.2	3.2
4.2	4.1	4.1	5.4	4.2	4.2	4.4	4.3	4.1	4.2	4.1
4.3	3.2	3.2	3.3	4.3	4.3	3.3	4.3	3.3	4.3	3.2
4.3	3.2	3.2	4.3	4.3	3.3	3.1	4.3	3.1	4.3	3.2
4.3	4.2	4.2	4.2	4.3	4.3	4.4	4.2	4.1	4.3	4.2
4.3	4.4	4.4	4.1	4.3	4.3	4.2	4.3	4.2	4.3	4.4

4.3	4.2	4.2	4.2	4.3	4.3	4.2	4.3	4.4	4.3	4.2
4.2	4.2	4.2	2.1	4.2	4.2	3.2	2.2	3.2	4.2	4.2
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	3.1	2.1	3.1
2.1	4.1	4.1	1.1	2.1	2.1	1.1	2.1	3.1	2.1	4.1
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	4.1	4.1	1.1	2.1	2.1	1.1	2.1	3.1	2.1	4.1
2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	3.2	2.1	3.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	3.2	2.1	3.2
3.1	3.2	3.2	3.1	3.1	3.2	3.2	3.2	3.2	3.1	3.2
3.1	4.3	4.3	3.2	3.1	3.1	3.3	3.1	4.3	3.1	4.3
3.1	4.3	4.3	3.2	3.1	3.1	3.3	3.2	3.3	3.1	4.3
3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.2	3.1	3.3
4.1	3.1	3.1	2.1	4.1	4.1	1.1	2.1	1.1	4.1	3.1
4.1	2.1	2.1	1.1	4.1	4.1	1.1	4.1	3.1	4.1	2.1
4.1	4.3	4.3	4.3	4.1	4.1	4.2	4.1	4.2	4.1	4.3
4.1	4.1	4.1	4.3	4.1	4.1	4.4	4.2	4.1	4.1	4.1
4.1	4.4	4.4	4.2	4.1	4.1	4.3	4.1	4.4	4.1	4.4
3.2	4.2	4.2	2.2	3.2	3.2	2.2	3.2	2.1	3.2	4.2
3.2	2.1	2.1	2.1	3.2	2.1	2.1	2.1	2.1	3.2	2.1
3.2	2.1	2.1	2.1	3.2	3.2	2.2	3.2	4.2	3.2	2.1
3.2	3.1	3.1	3.1	3.2	3.2	3.3	3.2	4.3	3.2	3.1
3.2	4.2	4.2	2.1	3.2	2.2	2.2	3.2	2.1	3.2	4.2
3.2	2.1	2.1	3.2	3.2	3.2	2.2	3.2	3.2	3.2	2.1
3.2	3.1	3.1	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.1
3.2	4.3	4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.2	4.3
3.2	3.3	3.3	3.1	4.3	3.2	3.3	3.2	5.3	3.2	3.3
4.2	3.2	3.2	2.1	4.2	3.2	2.1	4.2	3.2	4.2	3.2
4.2	2.1	2.1	2.2	4.2	4.2	2.2	4.2	3.2	4.2	2.1

4.2	2.1	2.1	2.1	4.2	3.2	2.1	3.2	2.1	4.2	2.1
4.2	4.3	4.3	4.1	4.2	4.2	4.4	4.2	4.2	4.2	4.3
4.3	3.1	3.1	3.1	4.3	4.3	3.2	4.3	3.2	4.3	3.1
4.2	3.2	3.2	2.2	4.2	4.2	2.2	4.2	2.1	4.2	3.2
4.2	2.2	2.2	2.2	4.2	4.2	2.2	4.2	3.2	4.2	2.2
4.1	4.1	4.1	4.1	4.2	4.2	4.3	4.2	4.2	4.1	4.1
4.3	3.2	3.2	3.2	4.3	4.3	3.2	4.3	3.3	4.3	3.2
4.3	3.1	3.1	3.3	4.3	4.3	3.1	4.3	3.2	4.3	3.1
4.3	4.2	4.2	4.1	4.3	4.1	4.1	4.1	4.1	4.3	4.2
4.3	3.2	3.2	3.3	4.3	4.3	3.2	4.3	3.1	4.3	3.2
4.3	4.2	4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.3	4.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	3.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	3.2	3.2	3.2	2.1	2.1	2.2	2.1	3.2	2.1	3.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	3.1
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
3.1	3.3	3.3	3.2	3.1	3.1	3.3	3.1	4.3	3.1	3.3
3.1	4.3	4.3	3.2	3.1	3.1	3.3	3.1	3.3	3.1	4.3
3.1	3.3	3.3	3.2	3.1	3.1	3.3	3.1	3.2	3.1	3.3
3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.1	4.3	3.1	3.2
4.3	4.3	4.3	4.2	4.3	4.3	4.3	4.1	4.3	4.3	4.3
5.1	5.3	5.3	5.5	5.1	5.2	5.4	5.1	5.4	5.1	5.3
3.2	2.2	4.2	2.2	3.2	3.2	2.1	3.2	2.1	3.2	2.2
3.2	2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.1	3.2	2.2

3.2	2.2	2.2	2.1	3.2	2.1	2.2	3.2	4.2	3.2	2.2
3.2	2.2	2.2	2.2	2.1	3.2	2.2	3.2	2.2	3.2	2.2
3.2	4.3	4.3	3.1	3.2	3.2	3.3	3.1	3.3	3.2	4.3
3.2	3.3	3.3	3.3	3.2	3.2	3.3	3.2	4.3	3.2	3.3
3.2	4.3	4.3	4.3	3.2	3.2	4.3	3.2	3.3	3.2	4.3
3.2	3.3	3.3	3.3	3.2	3.2	3.3	3.2	4.3	3.2	3.3
3.2	2.1	2.1	2.1	3.2	3.2	2.1	3.2	2.2	3.2	2.1
3.2	2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2	2.2
3.2	3.2	3.2	3.1	3.2	3.2	3.3	3.1	3.2	3.2	3.2
3.2	3.1	3.1	3.1	3.2	3.2	3.1	3.2	3.3	3.2	3.1
4.2	2.1	2.1	3.2	4.2	4.2	2.2	2.2	2.2	4.2	2.1
4.2	2.2	2.2	3.2	4.2	4.2	2.1	4.2	2.1	4.2	2.2
4.2	3.2	3.2	2.2	4.2	4.2	2.1	4.2	2.1	4.2	3.2
4.2	3.2	3.2	3.2	4.2	4.2	2.1	4.2	2.1	4.2	3.2
4.2	2.1	2.1	3.2	4.2	4.2	2.1	4.2	2.1	4.2	2.1
4.2	3.2	3.2	2.2	4.2	4.2	2.2	2.1	2.2	4.2	3.2
4.2	4.4	4.4	4.4	4.2	4.2	4.3	4.2	4.4	4.2	4.4
4.2	4.1	4.1	4.1	4.2	4.2	4.4	4.2	4.3	4.2	4.1
4.2	3.2	3.2	2.1	4.2	4.2	2.2	2.1	4.2	4.2	3.2
4.2	4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.2	4.2	4.3
5.2	5.5	5.5	5.3	5.2	5.2	5.1	5.2	5.1	5.2	5.5
4.3	3.3	3.3	3.3	4.3	4.3	3.2	4.3	3.2	4.3	3.3
4.3	4.2	4.2	4.1	4.2	4.2	4.2	4.2	4.4	4.3	4.2
4.3	4.4	4.4	4.1	4.3	4.3	4.1	4.3	4.2	4.3	4.4
4.3	3.2	3.2	3.2	4.3	4.3	3.3	4.3	4.3	4.3	3.2
5.2	2.2	2.2	2.2	5.2	5.2	3.2	5.2	3.2	5.2	2.2
4.2	4.2	4.2	5.2	4.2	4.2	4.2	2.1	3.2	4.2	4.2
3.2	2.2	2.2	4.2	3.2	2.2	2.1	2.1	2.1	3.2	2.2

2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	3.2
2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	4.1	4.1	1.1	2.1	2.1	1.1	2.1	3.1	2.1	4.1
2.1	3.2	3.2	2.1	2.1	2.2	3.2	4.2	2.2	2.1	3.2
3.1	3.2	3.2	3.2	3.1	3.1	3.3	4.3	4.3	3.1	3.2
6.1	6.4	6.4	6.5	6.1	6.1	6.3	6.2	6.3	6.1	6.4
2.1	2.1	2.1	2.1	3.2	2.1	2.1	3.2	4.2	2.1	2.1
4.2	4.2	4.2	4.1	4.2	4.2	4.3	4.1	4.3	4.2	4.2
3.2	2.1	2.1	2.2	4.2	4.2	2.2	3.2	3.2	3.2	2.1
3.2	3.2	3.2	2.2	3.2	3.2	2.2	2.2	3.2	3.2	3.2
3.2	3.1	3.1	3.1	3.2	3.2	3.1	3.2	3.2	3.2	3.1
3.2	4.2	4.2	4.2	3.2	3.2	2.2	3.2	3.2	3.2	4.2
3.2	2.1	2.1	2.1	3.2	3.2	2.1	2.1	3.2	3.2	2.1
4.1	4.3	4.3	4.1	4.2	4.1	4.2	4.2	4.2	4.1	4.3
4.2	3.2	3.2	2.1	4.2	4.2	2.2	2.2	2.2	4.2	3.2
4.2	4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.2	4.2	4.3
4.2	4.4	4.4	4.1	4.2	4.1	4.4	4.2	4.4	4.2	4.4
4.3	4.2	4.2	4.3	4.3	4.3	4.4	4.2	4.3	4.3	4.2
4.3	3.2	3.2	3.1	4.3	4.3	3.2	4.3	4.3	4.3	3.2
4.3	4.1	4.1	4.1	4.3	4.2	4.1	4.1	4.3	4.3	4.1
4.3	3.2	3.2	3.3	4.3	4.3	3.3	4.3	4.3	4.3	3.2
4.3	4.2	4.2	4.1	4.3	4.3	4.1	4.2	4.3	4.3	4.2
2.1	3.2	3.2	5.2	2.1	2.1	2.2	4.2	6.2	2.1	3.2
2.1	3.2	3.2	5.2	2.1	2.1	2.2	4.2	6.2	2.1	3.2
2.1	4.2	4.2	5.2	2.1	2.1	2.2	3.2	6.2	2.1	4.2
2.1	4.1	4.1	1.1	3.1	3.1	1.1	2.1	3.1	2.1	4.1
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2

2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
3.1	1.1	1.1	2.1	3.1	3.1	2.1	3.1	1.1	3.1	1.1
3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.1	3.2	3.1	3.3
3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.1	3.2	3.1	3.3
2.1	2.2	2.1	2.2	2.1	2.1	3.2	2.1	3.2	2.1	2.2
2.1	2.2	2.1	3.2	2.1	3.2	3.2	2.1	3.2	3.1	3.2
3.1	3.2	3.2	3.2	3.1	3.2	3.2	3.1	3.1	3.1	3.2
3.1	3.3	3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.1	3.3
3.1	2.1	2.1	2.1	3.1	3.1	1.1	3.1	4.1	3.1	2.1
3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	3.1	1.1
3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	4.1	3.1	1.1
3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	2.1	3.1	1.1
4.1	4.1	4.1	4.2	4.1	4.1	4.4	5.4	4.3	4.1	4.1
2.1	2.2	2.2	2.2	2.1	2.1	4.2	3.2	4.2	2.1	2.2
4.2	4.3	4.3	4.3	4.1	4.2	4.3	4.1	4.3	4.2	4.3
4.1	4.3	4.3	4.3	4.1	4.1	4.4	4.2	4.3	4.1	4.3
2.1	3.2	2.2	4.2	2.1	4.2	4.2	2.1	4.2	4.1	4.3
2.1	3.2	2.1	4.2	2.2	4.2	4.2	2.1	4.2	4.1	4.3
2.1	4.2	2.1	3.2	2.1	4.2	3.2	2.1	3.2	4.1	4.4
4.1	2.1	2.1	1.1	4.1	4.1	1.1	4.1	3.1	4.1	2.1
2.1	3.2	2.1	4.2	2.1	5.2	4.2	2.1	4.2	5.1	5.3
3.2	2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	3.2	2.1

3.2	2.2	2.2	2.1	3.2	3.2	2.2	3.2	2.2	3.2	2.2
3.2	4.2	4.2	2.2	3.2	3.2	2.1	3.2	3.2	3.2	4.2
3.2	3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.3
3.2	4.2	4.2	2.1	3.2	2.2	2.1	3.2	2.1	3.2	4.2
3.2	2.2	2.2	4.2	3.2	3.2	2.2	3.2	2.2	3.2	2.2
3.2	3.3	3.3	3.1	3.2	3.2	3.3	3.2	3.3	3.2	3.3
3.2	2.2	2.2	3.2	3.2	2.1	2.1	3.2	2.2	3.2	2.2
4.2	4.1	4.1	4.4	4.2	4.2	4.4	4.1	4.3	4.2	4.1
4.2	4.3	4.3	4.1	4.2	4.1	4.1	4.2	4.2	4.2	4.3
4.2	4.4	4.4	4.1	4.2	4.2	4.4	4.2	4.4	4.2	4.4
4.2	3.2	3.2	2.2	4.2	4.2	3.2	4.2	2.2	4.2	3.2
4.2	4.1	4.1	4.1	4.2	4.1	4.1	4.2	4.3	4.2	4.1
3.2	3.2	3.2	3.1	4.3	4.3	3.2	3.2	3.2	3.2	3.2
4.2	4.2	4.2	4.1	4.3	4.1	4.1	4.2	4.2	4.2	4.2
3.2	2.2	2.2	4.2	3.2	2.2	2.1	2.1	4.2	3.2	2.2
3.2	3.2	3.2	3.2	4.3	3.2	3.1	3.1	3.1	2.2	2.2
2.1	3.2	3.2	3.2	2.1	2.1	2.2	2.2	2.1	2.1	3.2
3.1	4.3	4.3	3.2	3.1	3.2	3.3	3.1	3.1	3.1	4.3
3.1	3.2	3.2	3.2	3.1	3.1	3.2	3.2	3.1	3.1	3.2
4.1	2.1	2.1	3.1	4.1	4.1	1.1	3.1	1.1	4.1	2.1
3.2	3.2	3.2	3.1	3.2	3.1	3.3	3.2	4.3	3.2	3.2
3.1	4.3	4.3	4.3	3.2	3.1	4.3	3.2	4.3	3.1	4.3
3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2
4.2	3.2	3.2	2.1	4.2	4.2	2.2	2.2	4.2	4.2	3.2
2.1	3.2	3.2	3.2	2.1	2.1	2.2	2.1	2.2	2.1	3.2
2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.1	3.2	2.1	2.2
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	4.1	2.1	3.1
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	4.1	2.1	3.1

2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	1.1
2.1	1.1	1.1	1.1	4.1	4.1	1.1	2.1	1.1	2.1	1.1
2.1	4.1	4.1	1.1	2.1	2.1	1.1	2.1	3.1	2.1	4.1
3.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	4.2	3.2	2.2
2.1	4.1	4.1	1.1	2.1	2.1	1.1	2.1	3.1	2.1	4.1
2.1	2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.1	2.1	4.2	4.2	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.1	2.1	3.2	3.2	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.1	2.1	4.2	4.2	2.1	2.2	2.1	2.2
2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	4.1	2.1	3.1
2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1	3.2
2.1	5.2	5.2	4.2	2.1	2.1	2.2	3.2	2.1	2.1	5.2
2.1	2.2	2.2	3.2	2.1	2.1	5.2	2.1	4.2	2.1	2.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	4.2	2.1	3.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1	3.2
3.1	3.1	3.1	3.2	3.1	3.1	3.3	3.1	4.3	3.1	3.1
3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	3.1	1.1
3.1	3.3	3.3	3.2	3.1	3.2	3.2	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.2	3.1	5.3	3.2	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.1	3.1	4.3	3.1	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.1	3.1	4.3	3.1	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.1	3.1	4.3	4.3	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.1	3.1	4.3	4.3	3.1	3.3	3.1	3.3
3.1	3.3	3.3	3.1	3.1	3.3	3.3	3.1	3.3	3.1	3.3
3.1	2.1	2.1	4.1	3.1	3.1	1.1	4.1	2.1	3.1	2.1
3.1	4.3	4.3	3.3	3.1	3.1	3.3	4.3	3.2	3.1	4.3
3.1	4.3	4.3	3.2	3.1	3.2	3.3	3.2	3.2	3.1	4.3

4.1	3.1	3.1	2.1	4.1	4.1	1.1	3.1	3.1	4.1	3.1
4.1	4.3	4.3	4.2	4.1	4.1	4.4	4.3	4.3	4.1	4.3
3.2	4.3	4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.2	4.3
2.1	2.1	2.1	2.1	3.2	4.2	2.1	3.2	3.2	2.1	2.1
3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2	2.2
3.1	3.3	3.3	3.1	3.2	3.2	3.3	3.2	3.3	3.1	3.3
3.1	3.3	3.3	3.1	3.2	3.2	3.3	3.2	3.3	3.1	3.3
3.1	4.3	4.3	3.1	3.2	3.1	3.1	3.1	4.3	3.1	4.3
3.1	3.3	3.3	3.1	3.2	3.2	3.1	3.2	3.3	3.1	3.3
3.2	2.2	2.2	2.1	3.2	3.2	2.2	3.2	2.2	3.2	2.2
3.2	2.1	2.1	2.1	3.2	2.1	2.1	3.2	2.1	3.2	2.1
3.2	4.2	4.2	2.2	3.2	3.2	2.2	3.2	4.2	3.2	4.2
3.2	4.3	4.3	3.3	3.2	3.2	3.3	4.3	4.3	3.2	4.3
3.2	3.1	3.1	3.1	3.2	3.2	3.3	3.1	4.3	3.2	3.1
3.2	3.1	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.2	3.1
4.2	3.2	3.2	2.1	4.2	2.2	2.2	2.2	2.1	4.2	3.2
4.2	2.2	2.2	2.1	4.2	4.2	2.2	4.2	2.2	4.2	2.2
4.3	4.1	4.1	4.1	4.2	4.3	4.1	4.1	4.1	4.3	4.1
4.2	5.4	4.2	4.2	4.2	4.2	4.4	4.3	4.4	4.2	5.4
4.2	4.1	4.1	4.1	4.2	4.1	4.1	4.1	4.3	4.2	4.1
4.3	3.3	3.3	3.2	3.1	3.1	3.3	4.3	3.3	4.3	3.3
4.3	4.1	4.1	4.1	4.3	4.1	4.1	4.1	4.2	4.3	4.1
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	3.2
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2.1	4.2	4.2	3.2	2.1	2.1	2.2	2.1	3.2	2.1	4.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	3.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2

2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	4.2	2.1	3.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1	3.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1	3.2
2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1	2.1	2.1
3.2	5.2	5.2	2.2	2.1	2.1	2.2	2.1	2.2	3.2	5.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	3.2
2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	3.2
2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1	3.2
2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1	3.2
2.1	4.2	4.2	4.2	2.1	2.1	2.2	2.1	3.2	2.1	4.2
2.1	3.2	3.2	5.2	2.1	2.1	2.2	2.1	4.2	2.1	3.2
2.1	3.2	3.2	2.2	2.1	2.2	2.2	2.1	2.2	2.1	3.2
2.1	3.2	3.2	2.1	2.1	2.2	2.2	2.1	2.2	2.1	3.2
2.1	3.2	3.2	4.2	2.1	2.2	4.2	2.1	2.2	2.1	3.2
2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1	2.2
2.1	3.2	3.2	2.2	2.1	2.2	2.2	2.1	4.2	2.1	3.2
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3.1	3.3	3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.1	3.3
3.1	3.2	3.2	3.3	3.1	3.1	3.2	3.1	3.2	3.1	3.2
3.1	4.3	4.3	3.3	3.1	3.1	3.3	3.1	3.3	3.1	4.3
3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.1	3.3	3.1	3.3
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3.1	3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.1	3.2
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3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.1	3.2
3.1	3.2	3.2	3.3	3.1	3.3	3.3	3.1	3.2	3.1	3.2
3.1	3.3	3.3	4.3	3.1	3.1	4.3	3.1	3.3	3.1	3.3
3.1	3.2	3.2	3.2	3.1	3.2	3.3	3.1	4.3	3.1	3.2
3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.1	3.2	3.1	3.2
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3.2	4.3	4.3	3.2	3.2	3.3	3.1	3.1	3.3	3.2	4.3
3.2	2.2	2.2	2.1	3.2	3.2	2.1	3.2	4.2	3.2	2.2
3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2	2.2
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4.2	2.1	2.1	2.2	2.1	2.1	2.1	4.2	3.2	4.2	2.1
4.2	4.3	4.3	4.3	4.2	4.2	4.4	4.4	4.4	4.2	4.3
4.2	4.2	4.2	2.2	4.2	4.2	2.2	4.2	3.2	4.2	4.2
4.3	3.1	3.1	3.2	4.3	4.3	3.2	4.3	3.3	4.3	3.1
4.3	4.2	4.2	4.4	4.3	4.3	4.4	4.3	4.4	4.3	4.2
2.2	3.2	3.2	4.2	2.2	2.2	4.2	3.2	2.2	2.2	3.2
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1.1	4.1	4.1	3.1	1.1	1.1	1.1	4.1	2.1	1.1	4.1
4.3	3.2	3.2	3.1	4.3	4.3	4.3	3.2	4.3	4.4	4.2

3.3	3.2	3.2	3.2	3.3	3.3	3.1	3.2	3.1	3.3	3.2
3.3	3.2	3.2	3.2	3.3	3.3	3.1	3.2	3.1	3.3	3.2
4.3	3.1	3.1	3.2	4.3	3.2	3.1	3.2	3.1	4.3	3.1
2.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2	3.2
2.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2	3.2
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1.1	3.1	3.1	2.1	1.1	1.1	2.1	3.1	1.1	1.1	3.1
1.1	2.1	2.1	3.1	1.1	1.1	1.1	2.1	1.1	1.1	2.1

Draft

19x4	19x6	19x8	19x9	19x13	19x17	19x18	19x7	38x2	38x3	38x4
-0.1151549	-0.3761656	0.08018278	-0.3582592	-0.1325583	0	-0.1231182	0.00962175	-0.1140979	-0.2617221	-0.2289563
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1
2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1	1.1	1.1	1.1
2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1	1.1	1.1	1.1
2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1	1.1	1.1	1.1
2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1	1.1	1.1	1.1
2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1	1.1	1.1	1.1
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2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1	1.1	1.1	1.1
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4.3	4.3	3.1	3.1	3.3	3.2	3.3	4.3	2.1	4.2	4.2
1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1
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3.1	3.2	3.1	3.1	3.3	3.3	3.3	3.1	1.1	1.1	1.1
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3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.3	1.1	3.1	3.1
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3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.3	1.1	3.1	3.1
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3.2	3.2	3.2	3.2	3.3	3.2	3.3	3.2	2.2	2.2	2.2
3.2	2.1	4.2	4.2	2.1	4.2	2.2	2.1	4.1	3.1	3.1
4.4	4.1	4.2	4.2	4.1	4.2	4.4	4.3	2.2	4.2	4.2
4.2	4.3	4.3	4.3	4.4	4.3	4.4	4.3	3.3	3.2	3.2
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4.3	4.2	4.1	4.1	4.4	4.4	4.4	4.1	3.3	3.3	3.3
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3.1	3.1	2.1	2.1	1.1	3.1	1.1	1.1	2.2	3.2	3.2
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2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	1.1	1.1
1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1
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5.2	2.2	2.1	2.1	4.2	3.2	2.2	4.2	1.1	5.1	5.1
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4.3	3.3	3.1	3.1	3.3	4.3	3.3	3.2	1.1	4.1	4.1
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4.1	1.1	3.1	3.1	1.1	3.1	1.1	2.1	3.3	4.3	4.3
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1.1	2.1	3.1	3.1	1.1	3.1	1.1	4.1	3.3	3.1	3.1
1.1	2.1	3.1	3.1	4.1	3.1	1.1	1.1	3.3	3.1	3.1
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3.1	3.1	3.2	3.1	3.1	3.1	3.3	3.1	2.1	2.1	2.1
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3.2	4.2	2.1	2.1	4.2	4.2	2.2	2.1	1.1	3.1	3.1
5.2	2.2	2.1	2.1	4.2	3.2	2.2	4.2	1.1	5.1	5.1
3.2	4.2	2.1	2.2	4.2	3.2	2.2	2.1	1.1	3.1	3.1
4.3	3.3	3.1	3.1	3.3	3.2	3.3	3.1	1.1	4.1	4.1
3.1	3.2	3.1	4.3	3.3	3.1	3.3	3.3	1.1	1.1	1.1
3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.3	1.1	2.1	2.1
4.3	3.3	3.1	3.2	3.3	3.3	3.3	3.2	1.1	4.1	4.1
4.3	4.4	4.1	4.1	4.4	4.2	4.4	4.1	1.1	3.1	3.1
4.2	4.4	4.1	4.1	4.4	4.3	4.4	4.1	1.1	2.1	2.1
4.3	4.2	4.1	4.2	4.4	4.3	4.4	4.4	1.1	3.1	3.1

4.2	4.2	4.1	4.1	4.4	4.2	4.4	4.1	1.1	2.1	2.1
4.4	4.2	4.1	4.1	4.4	4.1	4.4	4.4	1.1	4.1	4.1
4.1	4.4	4.1	4.1	4.2	4.1	4.4	4.1	1.1	1.1	1.1
4.3	4.4	4.1	4.1	4.2	4.2	4.4	4.1	1.1	3.1	3.1
5.5	5.3	5.4	5.4	5.3	5.1	5.5	5.1	4.1	5.1	5.1
4.3	3.2	3.2	3.1	3.3	3.3	3.3	3.3	2.2	4.2	4.2
3.2	2.1	4.2	4.2	3.2	2.1	2.2	3.2	4.4	4.3	4.3
4.3	4.3	4.2	4.2	4.4	4.3	4.4	4.2	2.2	3.2	3.2
3.2	3.2	4.3	3.2	3.1	3.2	3.3	3.1	4.4	4.2	4.2
2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1	1.1	1.1	1.1
3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	3.2	3.2
4.2	4.2	2.1	2.1	2.2	2.1	2.2	3.2	1.1	4.1	4.1
3.2	2.2	2.1	2.1	2.2	3.2	2.2	3.2	1.1	3.1	3.1
4.2	3.2	2.1	2.1	2.2	3.2	2.2	2.1	1.1	4.1	4.1
3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	3.2	3.2
3.2	3.2	2.1	2.1	2.2	2.1	2.2	4.2	1.1	3.1	3.1
1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1
3.3	3.3	3.1	3.3	3.1	3.1	3.2	4.3	5.1	5.3	5.3
3.2	3.2	3.1	3.1	3.3	3.2	3.3	4.3	1.1	2.1	2.1
3.1	3.2	3.1	3.1	3.3	3.1	3.3	4.3	1.1	2.1	1.1
4.3	3.2	3.1	3.1	3.3	4.3	3.3	5.3	1.1	4.1	4.1
3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.2	1.1	2.1	2.1
3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.2	1.1	2.1	2.1
3.2	3.3	3.1	3.1	3.2	3.1	3.3	3.2	1.1	2.1	2.1
4.2	4.2	4.1	4.1	4.3	4.2	4.4	4.3	1.1	2.1	2.1
2.1	1.1	3.1	4.1	1.1	3.1	1.1	2.1	4.3	3.2	3.2
4.3	4.4	4.1	4.2	4.4	4.3	4.4	4.3	1.1	3.1	3.1
4.4	4.2	4.1	4.3	4.1	4.1	4.4	4.2	3.1	4.3	4.3

4.4	4.2	4.1	4.1	4.4	4.3	4.4	4.4	1.1	4.1	4.1
4.3	4.4	4.1	4.1	4.4	4.3	4.4	4.2	1.1	3.1	3.1
1.1	1.1	2.1	2.1	3.1	1.1	1.1	3.1	2.2	2.1	2.1
3.2	3.1	3.2	3.2	3.3	3.3	3.3	3.3	2.2	2.2	2.2
3.3	3.1	3.2	3.2	3.1	3.2	3.3	4.3	2.2	3.2	3.2
4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	2.2	4.2	4.2
3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	3.2	3.2	3.2
3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	3.2	3.2	3.2
4.3	3.1	3.2	3.2	3.3	4.3	3.3	3.3	2.2	4.2	4.2
2.2	2.2	3.2	3.2	2.2	3.2	2.2	4.2	3.3	3.2	3.2
4.3	4.3	3.2	3.2	3.3	3.2	3.3	4.3	2.2	4.2	4.2
4.4	4.4	4.2	4.2	4.4	4.2	4.4	4.3	2.2	4.2	4.2
4.1	4.3	4.2	4.3	4.1	4.2	4.4	4.1	3.1	1.1	1.1
2.2	2.2	4.2	4.2	2.2	4.2	2.2	3.2	4.4	4.2	4.2
4.3	4.1	4.1	4.1	4.4	4.2	4.4	4.4	2.2	3.2	3.2
2.2	2.2	4.2	4.2	2.2	4.2	2.2	3.2	4.4	4.2	4.2
3.2	2.2	4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.3	4.3
4.3	3.1	4.3	4.3	3.2	4.3	3.3	3.2	4.4	4.4	4.4
3.2	3.1	4.3	4.3	3.3	3.1	3.3	3.3	4.4	4.2	4.2
4.2	4.1	4.3	4.3	4.4	4.3	4.4	4.1	3.3	3.2	3.2
3.2	3.2	4.3	4.3	3.3	3.2	3.3	3.1	4.4	4.2	4.2
4.2	4.1	4.3	4.3	4.4	4.4	4.4	4.4	3.3	3.2	3.2
3.2	3.2	4.3	3.2	3.2	3.2	3.3	3.2	4.2	4.2	4.2
4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.4	3.3	3.2	3.2
4.2	4.4	4.3	4.3	4.1	4.3	4.4	4.4	3.3	3.2	3.2
4.2	4.2	4.3	4.2	4.2	4.3	4.4	4.1	3.3	3.2	3.2
3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	3.2	3.2
2.1	2.2	2.1	2.1	5.2	6.2	2.2	3.2	1.1	1.1	1.1

3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.2	1.1	2.1	2.1
3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.3	1.1	2.1	2.1
4.2	4.2	4.3	4.3	4.2	4.1	4.4	4.2	1.1	2.1	2.1
4.3	4.4	4.1	4.1	4.2	4.3	4.4	4.4	1.1	3.1	3.1
5.4	5.2	5.1	5.1	5.5	5.4	5.5	5.5	3.1	4.3	4.3
4.3	3.3	3.2	3.2	3.1	3.2	3.3	4.3	2.2	4.2	4.2
4.2	2.1	3.2	3.2	2.2	2.2	2.2	2.2	3.3	4.3	4.3
2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2
3.2	3.3	3.2	3.2	3.3	3.2	3.3	4.3	2.2	2.2	2.2
4.3	4.3	4.2	4.2	4.4	4.3	4.4	4.3	2.2	3.2	3.2
4.3	4.3	4.2	4.2	4.4	4.3	4.4	4.3	2.2	3.2	3.2
4.4	4.3	4.2	4.2	4.4	4.2	4.4	4.4	3.2	4.3	4.3
3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	1.1	3.1	3.1
4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	1.1	4.1	4.1
2.2	2.2	2.1	3.2	2.1	2.1	2.2	2.2	3.1	3.2	3.2
2.2	2.2	2.1	3.2	2.1	2.1	2.2	2.2	3.1	3.2	3.2
2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.2	2.2
3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	3.1	3.1
3.3	3.3	3.1	4.3	3.1	3.1	3.3	3.3	4.1	4.3	4.3
3.3	3.3	3.1	4.3	3.1	3.1	3.3	3.3	4.1	4.3	4.3
3.3	3.3	3.1	3.2	3.1	3.1	3.3	3.3	2.1	3.2	3.2
3.3	3.3	3.1	3.3	3.1	3.1	3.3	3.3	3.1	3.3	3.3
4.3	4.2	4.3	4.3	4.2	4.1	4.4	4.2	3.1	3.1	3.1
4.2	4.4	4.1	4.1	4.4	4.3	4.4	4.2	1.1	2.1	2.1
2.2	2.2	3.2	3.2	2.1	3.2	2.2	2.2	3.3	3.2	3.2
2.1	2.1	3.2	3.2	2.2	2.1	2.2	4.2	3.3	3.1	3.1
1.1	1.1	2.1	2.1	3.1	1.1	1.1	3.1	2.2	2.1	2.1
4.1	1.1	2.1	2.1	1.1	2.1	1.1	3.1	2.2	4.2	4.2

4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	1.1	4.1	4.1
3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	1.1	3.1	3.1
3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	3.1	3.1
2.2	3.2	2.1	2.1	3.2	2.1	2.2	2.2	1.1	2.1	2.1
3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	1.1	3.1	3.1
3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	3.2	3.2
3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	3.2	3.2
1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1
4.1	1.1	3.1	3.1	1.1	3.1	1.1	2.1	3.3	4.3	4.3
4.3	3.3	3.2	3.2	3.3	3.1	3.3	3.3	1.1	4.1	4.1
3.2	4.3	3.1	4.3	3.2	3.1	3.3	3.1	4.1	2.1	2.1
4.3	3.1	3.1	3.1	3.3	3.2	3.3	3.1	1.1	4.1	4.1
4.2	4.2	4.1	4.1	4.3	4.2	4.4	4.3	1.1	2.1	2.1
4.2	4.2	4.1	4.1	4.3	4.2	4.4	4.3	1.1	2.1	2.1
3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	1.1	2.1	2.1
4.3	3.2	3.1	3.1	3.3	3.2	3.3	3.3	1.1	4.1	4.1
4.3	3.2	3.1	3.1	3.3	3.1	3.3	4.3	1.1	4.1	4.1
3.3	3.2	3.1	3.1	4.3	3.1	3.3	4.3	1.1	3.1	3.1
3.2	3.2	4.3	4.3	3.2	3.1	3.3	3.2	4.1	2.1	2.1
3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	1.1	2.1	2.1
3.3	3.2	3.1	3.1	3.3	3.1	3.3	4.3	1.1	3.1	3.1
4.3	4.2	4.1	4.2	4.3	4.2	4.4	4.4	2.1	3.2	3.2
4.3	4.2	4.1	4.1	4.2	4.1	4.4	4.1	1.1	1.1	3.1
3.2	2.2	2.1	2.1	4.2	3.2	2.2	4.2	1.1	3.1	3.1
4.2	4.2	4.1	4.1	4.4	4.1	4.4	4.3	1.1	2.1	2.1
2.1	3.1	4.1	4.1	1.1	4.1	1.1	3.1	4.4	4.2	4.2
4.1	4.2	4.1	4.1	4.4	4.3	4.4	4.1	1.1	1.1	1.1
4.2	4.4	4.1	4.1	4.4	4.3	4.4	4.2	1.1	2.1	2.1

2.1	2.2	3.2	3.2	2.1	3.2	2.2	2.2	3.3	3.1	3.1
4.1	4.1	4.3	4.3	4.2	4.1	4.4	4.2	3.3	3.1	3.1
3.3	3.3	3.2	3.2	3.3	3.2	3.3	4.3	2.2	3.2	3.2
3.3	3.2	3.2	3.2	3.3	3.2	3.3	3.2	2.2	3.2	3.2
3.3	3.2	4.3	3.2	3.3	3.2	3.3	4.3	2.2	3.2	3.2
3.3	3.2	3.2	3.2	3.3	3.2	3.3	3.2	2.2	3.2	3.2
3.3	3.2	3.2	4.3	3.3	3.2	3.3	3.3	4.2	4.3	4.3
4.3	3.1	3.2	3.1	3.1	3.1	3.3	3.1	2.2	4.2	4.2
4.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	3.3	4.3	4.3
4.3	3.1	3.2	3.2	3.3	3.2	3.3	3.1	2.2	4.2	4.2
2.2	2.2	3.2	3.2	2.2	3.2	2.2	4.2	3.3	3.2	3.2
2.2	2.2	3.2	3.2	2.2	3.2	2.2	4.2	3.3	3.2	3.2
2.1	2.2	3.2	3.2	2.1	3.2	2.2	2.2	3.3	3.1	3.1
2.1	2.2	3.2	3.2	2.1	3.2	2.2	2.2	3.3	3.1	3.1
2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2
4.2	3.2	4.2	4.2	2.2	4.2	2.2	3.2	4.4	4.4	4.4
4.3	4.1	4.2	4.1	4.3	4.2	4.4	4.1	2.2	3.2	3.2
2.2	3.2	4.2	4.2	2.2	4.2	2.2	3.2	4.4	4.2	4.2
2.1	3.2	4.2	4.2	2.2	4.2	2.2	3.2	4.3	3.1	3.1
3.2	3.2	4.2	4.2	2.2	3.2	2.2	2.2	4.4	4.3	4.3
3.2	2.2	4.2	4.2	2.2	4.2	2.2	2.2	4.4	4.3	4.3
2.2	3.2	4.2	4.2	2.2	4.2	2.2	3.2	4.4	4.2	4.2
3.2	2.1	4.2	2.1	3.2	4.2	2.2	2.1	4.4	4.3	4.3
4.2	4.4	4.2	4.2	4.4	4.2	4.4	4.3	2.2	2.2	2.2
2.2	2.1	3.2	3.2	4.2	2.2	2.2	4.2	3.3	3.2	3.2
3.1	3.2	4.3	4.3	3.3	3.2	3.3	3.2	4.4	4.1	4.1
3.3	3.1	4.3	4.3	3.1	4.3	3.3	3.2	4.4	4.3	4.3
4.1	4.2	4.3	4.3	4.1	4.3	4.4	4.4	3.3	3.1	3.1

4.2	4.3	5.4	5.4	4.4	4.1	4.4	4.2	5.5	5.2	5.2
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	3.1	3.1
4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	1.1	4.1	4.1
6.2	4.2	2.1	2.1	2.2	3.2	2.2	5.2	3.1	6.3	6.3
2.2	2.1	4.2	2.2	2.2	2.1	2.2	3.2	1.1	2.1	2.1
2.1	1.1	3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.2	3.2
3.2	3.3	3.1	3.2	3.1	3.1	3.3	3.2	1.1	2.1	2.1
4.3	3.2	3.1	3.3	3.1	3.1	3.3	3.1	1.1	4.1	4.1
3.2	3.2	3.1	3.2	3.3	3.1	3.3	3.2	1.1	2.1	2.1
3.1	4.3	3.1	3.1	3.3	5.3	3.3	3.2	5.1	5.1	5.1
3.2	3.2	3.2	3.2	3.2	3.1	3.3	3.2	1.1	2.1	2.1
4.2	4.4	4.1	4.1	4.4	4.2	4.4	4.3	1.1	2.1	2.1
4.2	4.4	4.1	5.4	4.1	4.1	4.4	4.3	1.1	2.1	2.1
4.3	4.2	4.3	4.3	4.3	4.1	4.4	4.3	3.1	3.1	3.1
4.3	4.3	3.2	3.2	4.3	4.3	3.3	4.3	2.2	4.2	4.2
3.3	3.3	3.2	3.2	3.3	3.2	3.3	4.3	2.2	3.2	3.2
2.1	2.1	3.2	3.2	2.2	2.1	2.2	2.1	3.3	3.1	3.1
2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2
2.2	5.2	3.2	3.2	4.2	3.2	2.2	2.2	3.3	3.2	3.2
4.3	4.3	4.2	4.3	4.3	4.2	4.4	4.3	3.2	3.3	3.3
2.2	2.1	4.2	3.2	2.1	4.2	2.2	2.2	4.1	2.1	2.1
3.3	3.2	4.3	3.1	3.3	4.3	3.3	3.3	4.1	3.1	3.1
3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	3.2	3.2
1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1
4.2	2.2	3.2	3.2	2.2	2.1	2.2	2.1	1.1	4.1	4.1

4.2	2.2	2.1	2.1	3.2	2.1	2.2	3.2	1.1	4.1	4.1
4.2	2.2	2.1	2.1	3.2	2.1	2.2	3.2	1.1	4.1	4.1
1.1	3.1	2.1	2.1	1.1	2.1	1.1	3.1	2.2	2.1	2.1
1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1
3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.1	1.1	2.1	2.1
3.3	4.3	3.2	3.2	4.3	3.1	3.3	3.1	1.1	3.1	3.1
4.3	3.2	3.1	3.1	3.2	3.1	3.3	3.1	1.1	4.1	4.1
4.3	4.3	3.1	3.1	3.3	3.1	3.3	3.2	1.1	4.1	4.1
4.3	4.2	4.1	4.1	4.4	4.2	4.4	4.4	1.1	3.1	3.1
5.4	4.2	4.1	4.1	4.4	5.4	4.4	4.3	5.1	5.5	5.5
3.1	2.1	4.1	4.1	1.1	3.1	3.1	1.1	4.4	4.3	4.3
3.1	3.1	3.2	3.2	3.1	3.2	3.3	3.2	2.2	2.1	2.1
4.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2	3.3	4.3	4.3
4.2	2.1	3.2	3.2	2.1	3.2	2.2	2.1	3.3	4.3	4.3
4.2	2.1	3.2	3.2	2.2	4.2	2.2	2.2	3.3	4.3	4.3
3.2	2.1	3.2	3.2	2.2	3.2	2.2	4.2	3.3	3.3	3.3
3.1	3.1	3.2	4.3	3.1	3.2	3.3	4.3	2.1	1.1	1.1
3.1	3.1	3.2	4.3	3.1	3.2	3.3	4.3	2.1	1.1	1.1
2.2	2.2	4.2	4.2	2.2	4.2	2.2	3.2	4.4	4.2	4.2
3.2	2.1	4.2	4.2	2.1	4.2	2.2	4.2	4.4	4.3	4.3
4.3	4.1	4.2	4.2	4.1	4.2	4.4	4.2	2.2	3.2	3.2
4.2	4.4	4.2	4.2	4.4	4.2	4.4	4.3	2.2	2.2	2.2
3.2	2.2	4.2	4.2	2.2	3.2	2.2	2.2	4.4	4.3	4.3
4.1	5.4	4.2	4.2	4.4	4.3	4.4	4.1	2.2	2.1	2.1
3.2	3.3	4.3	4.3	3.3	4.3	3.3	3.3	4.4	4.2	4.2
3.2	4.3	4.3	3.3	3.1	4.3	3.3	3.1	4.4	4.2	4.2
4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.1	3.3	3.2	3.2
4.4	4.1	4.3	4.3	4.2	4.3	4.4	4.2	3.3	4.3	4.3

4.2	4.2	4.3	4.3	4.2	4.3	4.4	4.4	3.3	3.2	3.2
4.2	2.1	4.2	4.2	3.2	2.2	2.2	3.2	4.2	4.2	4.2
3.1	1.1	2.1	2.1	1.1	2.1	1.1	3.1	2.2	3.2	3.2
4.1	1.1	2.1	2.1	1.1	2.1	1.1	3.1	2.2	4.2	4.2
1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1
4.1	1.1	2.1	2.1	1.1	2.1	1.1	3.1	2.2	4.2	4.2
3.2	2.2	2.1	2.1	3.2	2.1	2.2	3.2	3.1	3.3	3.3
3.2	2.2	2.1	2.1	2.2	2.1	2.2	3.2	1.1	3.1	3.1
3.2	3.1	3.1	3.2	3.2	3.2	3.3	3.2	1.1	2.1	2.1
4.3	3.2	3.1	3.1	3.3	3.1	3.3	4.3	1.1	4.1	4.1
4.3	3.2	3.1	3.1	3.3	3.2	3.3	3.3	1.1	4.1	4.1
3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.2	1.1	3.1	3.1
3.1	2.1	4.1	4.1	1.1	2.1	1.1	1.1	4.4	4.3	4.3
2.1	1.1	4.1	4.1	1.1	4.1	1.1	3.1	4.4	4.2	4.2
4.3	4.3	4.1	4.1	4.2	4.1	4.4	4.2	1.1	3.1	3.1
4.1	4.3	4.1	4.1	4.4	4.2	4.4	4.1	1.1	1.1	1.1
4.4	4.2	4.1	4.1	4.3	4.1	4.4	4.4	1.1	4.1	4.1
4.2	2.2	3.2	3.2	2.2	3.2	2.2	2.1	3.3	4.3	4.3
2.1	2.1	3.2	2.1	2.1	2.1	2.2	2.1	3.3	3.1	3.1
2.1	2.1	3.2	3.2	2.2	3.2	2.2	4.2	3.3	3.1	3.1
3.1	3.1	3.2	3.2	3.3	3.2	3.3	4.3	2.2	2.1	2.1
4.2	2.1	3.2	2.2	2.2	3.2	2.2	2.1	3.3	4.3	4.3
2.1	3.2	3.2	3.2	2.2	3.2	2.2	3.2	3.3	3.1	3.1
3.1	3.2	3.2	3.2	3.3	3.2	3.3	3.2	2.2	2.1	2.1
4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	2.2	4.2	4.2
3.3	3.1	4.3	3.2	3.3	3.2	3.3	5.3	2.2	3.2	3.2
3.2	2.1	4.2	3.2	2.1	4.2	2.2	3.2	4.4	4.3	4.3
2.1	2.2	4.2	4.2	2.2	4.2	2.2	3.2	4.4	4.1	4.1

2.1	2.1	4.2	3.2	2.1	3.2	2.2	2.1	4.4	4.1	4.1
4.3	4.1	4.2	4.2	4.4	4.2	4.4	4.2	2.2	3.2	3.2
3.1	3.1	4.3	4.3	3.2	4.3	3.3	3.2	4.4	4.1	4.1
3.2	2.2	4.2	4.2	2.2	4.2	2.2	2.1	4.4	4.3	4.3
2.2	2.2	4.2	4.2	2.2	4.2	2.2	3.2	4.4	4.2	4.2
4.1	4.1	4.2	4.2	4.3	4.2	4.4	4.2	2.1	2.1	2.1
3.2	3.2	4.3	4.3	3.2	4.3	3.3	3.3	4.4	4.2	4.2
3.1	3.3	4.3	4.3	3.1	4.3	3.3	3.2	4.4	4.1	4.1
4.2	4.1	4.3	4.1	4.1	4.1	4.4	4.1	3.3	3.2	3.2
3.2	3.3	4.3	4.3	3.2	4.3	3.3	3.1	4.4	4.2	4.2
4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.4	3.3	3.2	3.2
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	3.1	3.1
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
3.2	3.2	2.1	2.1	2.2	2.1	2.2	3.2	1.1	3.1	3.1
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
3.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	3.2	3.2
1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1
3.3	3.2	3.1	3.1	3.3	3.1	3.3	4.3	1.1	3.1	3.1
4.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	1.1	4.1	4.1
3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.2	1.1	3.1	3.1
3.2	3.2	3.1	3.1	3.3	3.1	3.3	4.3	1.1	2.1	2.1
4.3	4.2	4.3	4.3	4.3	4.1	4.4	4.3	3.1	3.1	3.1
5.3	5.5	5.1	5.2	5.4	5.1	5.5	5.4	1.1	3.1	3.1
4.2	2.2	3.2	3.2	2.1	3.2	2.2	2.1	3.3	3.2	4.3
2.2	2.2	3.2	3.2	2.1	3.2	2.2	2.1	3.3	3.2	3.2

2.2	2.1	3.2	2.1	2.2	3.2	2.2	4.2	3.3	3.2	3.2
2.2	2.2	2.1	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2
4.3	3.1	3.2	3.2	3.3	3.1	3.3	3.3	2.2	4.2	4.2
3.3	3.3	3.2	3.2	3.3	3.2	3.3	4.3	2.2	3.2	3.2
4.3	4.3	3.2	3.2	4.3	3.2	3.3	3.3	2.2	4.2	4.2
3.3	3.3	3.2	3.2	3.3	3.2	3.3	4.3	2.2	3.2	3.2
2.1	2.1	3.2	3.2	2.1	3.2	2.2	2.2	3.3	3.1	3.1
2.2	2.2	3.2	3.2	2.1	3.2	2.2	2.2	3.3	3.2	3.2
3.2	3.1	3.2	3.2	3.3	3.1	3.3	3.2	2.2	2.2	2.2
3.1	3.1	3.2	3.2	3.1	3.2	3.3	3.3	2.2	2.1	2.1
2.1	3.2	4.2	4.2	2.2	2.2	2.2	2.2	4.4	4.1	4.1
2.2	3.2	4.2	4.2	2.1	4.2	2.2	2.1	4.4	4.2	4.2
3.2	2.2	4.2	4.2	2.1	4.2	2.2	2.1	4.4	4.3	4.3
3.2	3.2	4.2	4.2	2.1	4.2	2.2	2.1	4.4	4.3	4.3
2.1	3.2	4.2	4.2	2.1	4.2	2.2	2.1	4.4	4.1	4.1
3.2	2.2	4.2	4.2	2.2	2.1	2.2	2.2	4.4	4.3	4.3
4.4	4.4	4.2	4.2	4.3	4.2	4.4	4.4	2.2	4.2	4.2
4.1	4.1	4.2	4.2	4.4	4.2	4.4	4.3	2.2	2.1	2.1
3.2	2.1	4.2	4.2	2.2	2.1	2.2	4.2	4.4	4.3	4.3
4.3	4.3	4.2	4.2	4.4	4.3	4.4	4.2	2.2	3.2	3.2
5.5	5.3	5.2	5.2	5.1	5.2	5.5	5.1	2.2	5.2	5.2
3.3	3.3	4.3	4.3	3.2	4.3	3.3	3.2	4.4	4.3	4.3
4.2	4.1	4.2	4.2	4.2	4.2	4.4	4.4	3.3	3.2	3.2
4.4	4.1	4.3	4.3	4.1	4.3	4.4	4.2	3.3	4.3	4.3
3.2	3.2	4.3	4.3	3.3	4.3	3.3	4.3	4.4	4.2	4.2
2.2	2.2	5.2	5.2	3.2	5.2	2.2	3.2	5.4	4.2	4.2
4.2	5.2	4.2	4.2	4.2	2.1	2.2	3.2	4.1	4.1	4.1
2.2	4.2	3.2	2.2	2.1	2.1	2.2	2.1	3.2	2.2	2.2

3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	3.1	3.3	3.3
1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1
4.1	1.1	2.1	2.1	1.1	2.1	1.1	3.1	2.2	4.2	4.2
3.2	2.1	2.1	2.2	3.2	4.2	2.2	2.2	4.1	4.3	4.3
3.2	3.2	3.1	3.1	3.3	4.3	3.3	4.3	1.1	2.1	2.1
6.4	6.5	6.1	6.1	6.3	6.2	6.6	6.3	1.1	4.1	4.1
2.1	2.1	3.2	2.1	2.1	3.2	2.2	4.2	1.1	1.1	1.1
4.2	4.1	4.2	4.2	4.3	4.1	4.4	4.3	2.2	2.2	2.2
2.1	2.2	4.2	4.2	2.2	3.2	2.2	3.2	3.3	3.1	3.1
3.2	2.2	3.2	3.2	2.2	2.2	2.2	3.2	3.3	3.3	3.3
3.1	3.1	3.2	3.2	3.1	3.2	3.3	3.2	2.2	2.1	2.1
4.2	4.2	3.2	3.2	2.2	3.2	2.2	3.2	3.3	4.3	4.3
2.1	2.1	3.2	3.2	2.1	2.1	2.2	3.2	3.3	3.1	3.1
4.3	4.1	4.2	4.1	4.2	4.2	4.4	4.2	2.1	3.2	3.2
3.2	2.1	4.2	4.2	2.2	2.2	2.2	2.2	4.4	4.3	4.3
4.3	4.1	4.2	4.2	4.1	4.2	4.4	4.2	2.2	3.2	3.2
4.4	4.1	4.2	4.1	4.4	4.2	4.4	4.4	3.2	4.3	4.3
4.2	4.3	4.3	4.3	4.4	4.2	4.4	4.3	3.3	3.2	3.2
3.2	3.1	4.3	4.3	3.2	4.3	3.3	4.3	4.2	2.2	2.2
4.1	4.1	4.3	4.2	4.1	4.1	4.4	4.3	3.3	3.1	3.1
3.2	3.3	4.3	4.3	3.3	4.3	3.3	4.3	4.4	4.2	4.2
4.2	4.1	4.3	4.3	4.1	4.2	4.4	4.3	3.3	3.2	3.2
3.2	5.2	2.1	2.1	2.2	4.2	2.2	6.2	1.1	3.1	3.1
3.2	5.2	2.1	2.1	2.2	4.2	2.2	6.2	1.1	3.1	3.1
4.2	5.2	2.1	2.1	2.2	3.2	2.2	6.2	1.1	4.1	4.1
4.1	1.1	3.1	3.1	1.1	2.1	1.1	3.1	2.2	4.2	4.2
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1

2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	1.1
2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	1.1
2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	1.1
2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	1.1
2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	1.1
2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	1.1
2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	1.1
1.1	2.1	3.1	3.1	2.1	3.1	1.1	1.1	3.3	3.1	3.1
3.3	3.2	3.1	3.1	3.2	3.1	3.3	3.2	1.1	3.1	3.1
3.3	3.2	3.1	3.1	3.2	3.1	3.3	3.2	1.1	3.1	3.1
2.1	2.2	2.1	2.1	3.2	2.1	2.2	3.2	1.1	2.1	1.1
3.1	3.3	3.1	3.3	3.3	3.1	3.2	3.3	1.1	2.1	1.1
3.2	3.2	3.1	3.2	3.2	3.1	3.3	3.1	1.1	2.1	2.1
3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1
2.1	2.1	3.1	3.1	1.1	3.1	1.1	4.1	3.3	3.2	3.2
1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1
1.1	2.1	3.1	3.1	1.1	3.1	1.1	4.1	3.3	3.1	3.1
1.1	2.1	3.1	3.1	1.1	3.1	1.1	2.1	3.3	3.1	3.1
4.1	4.2	4.1	4.1	4.4	5.4	4.4	4.3	1.1	1.1	1.1
2.2	2.2	2.1	2.1	4.2	3.2	2.2	4.2	1.1	2.1	2.1
4.3	4.3	4.1	4.2	4.3	4.1	4.4	4.3	3.2	3.3	3.3
4.3	4.3	4.1	4.1	4.4	4.2	4.4	4.3	2.1	3.2	3.2
4.2	4.4	4.1	4.4	4.4	4.1	4.2	4.4	1.1	3.1	2.1
4.1	4.4	4.2	4.4	4.4	4.1	4.2	4.4	2.1	3.2	2.1
4.1	4.3	4.1	4.4	4.3	4.1	4.2	4.3	1.1	4.1	1.1
2.1	1.1	4.1	4.1	1.1	4.1	1.1	3.1	4.4	4.2	4.2
5.1	5.4	5.1	5.5	5.4	5.1	5.2	5.4	1.1	3.1	1.1
2.1	2.2	3.2	3.2	2.1	3.2	2.2	2.2	3.1	1.1	1.1

2.2	2.1	3.2	3.2	2.2	3.2	2.2	2.2	3.1	2.1	2.1
4.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2	3.3	4.3	4.3
3.3	3.2	3.2	3.2	3.3	3.2	3.3	3.2	2.2	3.2	3.2
4.2	2.1	3.2	2.2	2.1	3.2	2.2	2.1	4.3	4.4	4.4
2.2	4.2	3.2	3.2	2.2	3.2	2.2	2.2	4.3	4.2	4.2
3.3	3.1	3.2	3.2	3.3	3.2	3.3	3.3	2.1	3.1	3.1
2.2	3.2	3.2	2.1	2.1	3.2	2.2	2.2	3.3	3.2	3.2
4.1	4.4	4.2	4.2	4.4	4.1	4.4	4.3	2.2	2.1	2.1
4.3	4.1	4.2	4.1	4.1	4.2	4.4	4.2	2.2	3.2	3.2
4.4	4.1	4.2	4.2	4.4	4.2	4.4	4.4	3.2	4.3	4.3
3.2	2.2	4.2	4.2	3.2	4.2	2.2	2.2	4.3	3.3	3.3
4.1	4.1	4.2	4.1	4.1	4.2	4.4	4.3	2.2	2.1	2.1
3.2	3.1	4.3	4.3	3.2	3.2	3.3	3.2	4.2	4.2	4.2
4.2	4.1	4.3	4.1	4.1	4.2	4.4	4.2	3.2	3.2	3.2
2.2	4.2	3.2	2.2	2.1	2.1	2.2	4.2	3.3	3.2	3.2
2.2	2.2	4.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	2.2
3.2	3.2	2.1	2.1	2.2	2.2	2.2	2.1	1.1	3.1	3.1
4.3	3.2	3.1	3.2	3.3	3.1	3.3	3.1	1.1	4.1	4.1
3.2	3.2	3.1	3.1	3.2	3.2	3.3	3.1	1.1	2.1	2.1
2.1	3.1	4.1	4.1	1.1	3.1	1.1	1.1	4.4	4.2	4.2
3.2	3.1	3.2	3.1	3.3	3.2	3.3	4.3	2.2	2.2	2.2
4.3	4.3	3.2	3.1	4.3	3.2	3.3	4.3	2.1	4.2	4.2
3.2	3.2	3.2	3.2	3.3	3.2	3.3	3.2	2.2	2.2	2.2
3.2	2.1	4.2	4.2	2.2	2.2	2.2	4.2	4.4	4.3	4.3
3.2	3.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	3.1	3.1
2.2	2.2	2.1	2.1	3.2	2.1	2.2	3.2	1.1	2.1	2.1
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3.1	1.1	2.1	2.1	1.1	2.1	1.1	4.1	2.2	3.2	3.2

1.1	1.1	2.1	2.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1
1.1	1.1	4.1	4.1	1.1	2.1	1.1	1.1	2.2	2.1	2.1
4.1	1.1	2.1	2.1	1.1	2.1	1.1	3.1	2.2	4.2	4.2
2.2	2.2	2.2	2.2	2.1	2.1	2.2	4.2	3.3	3.2	3.2
4.1	1.1	2.1	2.1	1.1	2.1	1.1	3.1	2.2	4.2	4.2
2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.2	1.1	2.1	2.1
2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.2	1.1	2.1	2.1
2.2	2.1	2.1	4.2	4.2	2.1	2.2	2.2	1.1	2.1	2.1
2.2	2.1	2.1	3.2	3.2	2.1	2.2	2.2	1.1	2.1	2.1
2.2	2.1	2.1	4.2	4.2	2.1	2.2	2.2	1.1	2.1	2.1
3.1	1.1	2.1	2.1	1.1	2.1	1.1	4.1	2.2	3.2	3.2
3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	1.1	3.1	3.1
5.2	4.2	2.1	2.1	2.2	3.2	2.2	2.1	1.1	5.1	5.1
2.2	3.2	2.1	2.1	5.2	2.1	2.2	4.2	1.1	2.1	2.1
3.2	2.2	2.1	2.1	2.2	3.2	2.2	4.2	1.1	3.1	3.1
3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	1.1	3.1	3.1
3.1	3.2	3.1	3.1	3.3	3.1	3.3	4.3	1.1	1.1	1.1
1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1
3.3	3.2	3.1	3.2	3.2	3.1	3.3	3.3	2.1	3.2	3.2
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3.3	3.1	3.1	4.3	3.1	3.1	3.3	3.3	1.1	3.1	3.1
3.3	3.1	3.1	4.3	3.1	3.1	3.3	3.3	1.1	3.1	3.1
3.3	3.1	3.1	4.3	4.3	3.1	3.3	3.3	1.1	3.1	3.1
3.3	3.1	3.1	4.3	4.3	3.1	3.3	3.3	1.1	3.1	3.1
3.3	3.1	3.1	3.3	3.3	3.1	3.3	3.3	1.1	3.1	3.1
2.1	4.1	3.1	3.1	1.1	4.1	1.1	2.1	3.3	3.2	3.2
4.3	3.3	3.1	3.1	3.3	4.3	3.3	3.2	1.1	4.1	4.1
4.3	3.2	3.1	3.2	3.3	3.2	3.3	3.2	1.1	4.1	4.1

3.1	2.1	4.1	4.1	1.1	3.1	1.1	3.1	4.4	4.3	4.3
4.3	4.2	4.1	4.1	4.4	4.3	4.4	4.3	3.1	3.3	3.3
4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3	2.2	4.2	4.2
2.1	2.1	3.2	4.2	2.1	3.2	2.2	3.2	3.1	3.1	3.1
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3.3	3.1	3.2	3.2	3.3	3.2	3.3	3.3	2.1	3.2	3.2
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2.1	2.1	3.2	2.1	2.1	3.2	2.2	2.1	3.3	3.1	3.1
4.2	2.2	3.2	3.2	2.2	3.2	2.2	4.2	3.3	4.3	4.3
4.3	3.3	3.2	3.2	3.3	4.3	3.3	4.3	2.2	4.2	4.2
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3.1	3.1	3.2	3.1	3.1	3.1	3.3	3.1	2.2	2.1	2.1
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4.1	4.1	4.2	4.3	4.1	4.1	4.4	4.1	3.2	2.1	2.1
4.2	4.2	4.2	4.2	4.4	4.3	4.4	4.4	2.2	5.2	2.2
4.1	4.1	4.2	4.1	4.1	4.1	4.4	4.3	2.2	2.1	2.1
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4.2	3.2	2.1	2.1	2.2	2.1	2.2	3.2	1.1	4.1	4.1
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	3.1	3.1
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1

3.2	2.2	2.1	2.1	2.2	3.2	2.2	4.2	1.1	3.1	3.1
3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.2	1.1	3.1	3.1
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	1.1	3.1	3.1
2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1	1.1	1.1	1.1
5.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	4.3	5.4	5.4
3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	3.1	3.1
3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	3.1	3.1
3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	1.1	3.1	3.1
3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.2	1.1	3.1	3.1
4.2	4.2	2.1	2.1	2.2	2.1	2.2	3.2	1.1	4.1	4.1
3.2	5.2	2.1	2.1	2.2	2.1	2.2	4.2	1.1	3.1	3.1
3.2	2.2	2.1	2.2	2.2	2.1	2.2	2.2	2.1	3.2	3.2
3.2	2.1	2.1	2.2	2.2	2.1	2.2	2.2	1.1	3.1	3.1
3.2	4.2	2.1	2.2	4.2	2.1	2.2	2.2	4.1	4.3	4.3
2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.2	1.1	2.1	2.1
3.2	2.2	2.1	2.2	2.2	2.1	2.2	4.2	2.1	3.2	3.2
1.1	2.1	3.1	3.1	1.1	3.1	1.1	1.1	3.3	3.1	3.1
3.3	3.2	3.2	3.3	3.1	3.1	3.3	4.3	2.2	3.2	3.2
3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.3	1.1	3.1	3.1
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3.3	3.2	3.1	3.1	3.2	3.1	3.3	3.3	1.1	3.1	3.1
3.1	3.2	3.1	3.1	3.3	3.1	3.3	3.1	1.1	1.1	1.1
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3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	1.1	2.1	2.1

3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.3	1.1	2.1	2.1
3.2	3.3	3.1	3.3	3.3	3.1	3.3	3.2	3.1	3.2	3.2
3.3	4.3	3.1	3.1	4.3	3.1	3.3	3.3	2.1	3.2	3.2
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3.2	3.2	3.1	3.1	3.3	3.1	3.3	3.2	1.1	2.1	2.1
4.3	4.2	4.1	4.2	4.2	4.1	4.4	4.3	2.1	3.1	3.1
4.3	3.2	3.2	3.3	3.1	3.1	3.3	3.3	2.2	4.2	4.2
2.2	2.1	3.2	3.2	2.1	3.2	2.2	4.2	3.3	3.2	3.2
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3.1	3.1	3.2	3.1	3.1	3.2	3.3	3.3	2.1	2.1	2.1
2.2	2.2	3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2
3.2	3.1	3.2	3.1	3.3	3.2	3.3	3.2	2.1	2.2	2.2
2.2	3.2	3.2	2.1	2.2	3.2	2.2	2.2	3.2	2.2	2.2
2.2	2.1	3.2	3.2	2.2	3.2	2.2	2.2	3.3	3.2	3.2
4.2	2.1	3.2	3.2	2.2	3.2	2.2	4.2	3.1	4.1	4.1
5.4	4.4	4.2	4.2	4.4	4.3	4.4	4.3	2.2	5.2	5.2
2.1	2.2	2.1	2.1	2.1	4.2	2.2	3.2	4.4	4.1	4.1
4.3	4.3	4.2	4.2	4.4	4.4	4.4	4.4	2.2	3.2	3.2
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3.1	3.2	4.3	4.3	3.2	4.3	3.3	3.3	4.4	4.1	4.1
4.2	4.4	4.3	4.3	4.4	4.3	4.4	4.4	3.2	2.2	2.2
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4.1	3.1	1.1	1.1	1.1	4.1	1.1	2.1	1.1	4.1	4.1
4.2	4.1	4.4	4.4	4.4	4.2	4.3	4.4	4.4	4.2	4.2

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3.1	3.2	4.3	3.2	3.1	3.2	3.3	3.1	4.1	1.1	1.1
3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.2	3.2
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3.2	2.2	4.2	4.2	2.1	3.2	2.2	2.2	1.1	3.1	3.1
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3.1	2.1	1.1	1.1	2.1	3.1	1.1	1.1	1.1	3.1	3.1
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Draft

38x6	38x8	38x9	38x13	38x17	38x20	38x24	38x18	38x19	38x27	38x7
-0.1651863	-0.0926435	-0.147886	-0.0471923	-0.1433779	0	-0.1514236	0	0	-0.1046492	-0.1138062
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
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2.1	1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1
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2.1	1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1
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4.2	2.1	2.1	3.2	2.2	3.2	2.1	3.2	3.2	4.2	4.2
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3.1	1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
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3.1	1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
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1.1	4.1	4.1	1.1	4.1	2.1	4.1	2.1	2.1	2.1	1.1
2.1	2.2	2.2	2.1	2.2	4.2	2.2	4.2	4.2	3.2	3.2
3.3	3.3	3.3	4.3	3.3	4.3	3.3	4.3	4.3	3.1	3.3
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3.2	3.1	3.1	4.3	4.3	4.3	3.1	4.3	4.3	4.3	3.1
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3.2	2.2	2.2	2.1	3.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	3.2	3.2
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
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2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	4.2	4.2
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	3.2	3.2
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	1.1	1.1	4.1	3.1	2.1	1.1	2.1	2.1	2.1	4.1
3.1	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.1	3.1
3.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1

3.1	1.1	1.1	3.1	4.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.1	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.2	3.2
3.1	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.1	3.1
3.1	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.1	3.1
2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	2.1	2.1
3.2	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	4.3	4.3
3.2	3.3	3.3	4.3	3.3	3.1	3.3	3.1	3.1	3.1	3.1
3.1	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.2	3.2
3.1	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.1	3.1
4.2	4.4	4.4	4.1	4.2	4.1	4.4	4.1	4.1	4.2	4.2
4.3	4.4	4.4	4.1	4.4	4.1	4.4	4.1	4.1	4.2	4.2
3.2	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.3	3.2	3.2	3.1	3.3	3.2	3.2	3.2	3.2	3.2	3.2
3.2	2.2	2.2	2.1	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.3	3.3	3.3	4.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.1	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	4.3	4.3
2.1	2.2	2.2	3.2	2.2	2.1	2.2	2.1	2.1	3.2	3.2
3.2	2.2	2.2	3.2	2.1	3.2	2.2	3.2	3.2	3.2	3.2
3.2	3.3	3.3	3.2	3.1	3.2	3.3	3.2	3.2	3.2	3.2
3.1	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	4.3	4.3
3.1	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.3	4.3	4.3	3.1	3.3	3.2	4.3	3.2	3.2	3.1	3.1
3.1	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	4.3	4.3
3.1	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2

2.1	2.2	2.1	2.1	2.1	3.2	2.2	3.2	3.2	2.1	2.1
3.1	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.1	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.2	4.4	4.4	4.2	4.3	4.2	4.4	4.2	4.2	4.2	4.2
3.2	2.2	2.2	4.2	3.2	3.2	2.2	3.2	3.2	4.2	4.2
2.1	2.2	2.2	4.2	4.2	4.2	2.2	4.2	4.2	4.2	4.2
4.1	4.4	4.4	4.2	4.1	4.2	4.4	4.2	4.2	4.3	4.3
4.1	4.4	4.4	4.1	4.4	4.2	4.4	4.2	4.2	4.2	4.2
4.1	4.4	4.4	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.3
4.2	4.4	4.4	4.3	4.2	4.2	4.4	4.2	4.2	4.3	4.3
4.1	4.4	4.4	4.3	4.2	4.3	4.4	4.3	4.3	4.2	4.2
4.3	3.3	3.3	4.3	3.3	4.3	3.3	4.3	4.3	3.2	3.2
3.2	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	3.2
3.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	3.1	1.1
2.1	1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1
2.1	1.1	1.1	2.1	4.1	2.1	1.1	2.1	2.1	4.1	1.1
2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	3.1	1.1
2.1	1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1
4.1	1.1	1.1	4.1	4.1	2.1	1.1	2.1	2.1	2.1	1.1
2.1	1.1	1.1	4.1	3.1	2.1	1.1	2.1	2.1	2.1	4.1
4.1	1.1	2.1	4.1	3.1	2.1	1.1	2.1	2.1	3.1	1.1
3.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	4.1	1.1
2.1	1.1	4.1	3.1	1.1	3.1	4.1	3.1	3.1	3.1	3.1
3.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.1	1.1	2.1	3.1	3.1	3.1	1.1	3.1	3.1	3.1	2.1
4.1	1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	2.1	1.1
4.1	1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	3.1	1.1
2.1	1.1	2.1	4.1	3.1	4.1	1.1	4.1	4.1	3.1	4.1

2.1	1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	3.1	1.1
2.1	1.1	1.1	4.1	1.1	4.1	1.1	4.1	4.1	3.1	4.1
4.1	1.1	1.1	2.1	1.1	4.1	1.1	4.1	4.1	3.1	1.1
4.1	1.1	1.1	2.1	2.1	4.1	1.1	4.1	4.1	2.1	1.1
3.1	4.1	4.1	3.1	1.1	5.1	1.1	5.1	5.1	2.1	1.1
2.2	2.2	2.1	3.2	3.2	3.2	2.2	3.2	3.2	3.2	3.2
4.1	4.4	4.4	4.3	4.1	4.2	4.4	4.2	4.2	4.2	4.3
3.2	2.2	2.2	4.2	3.2	4.2	2.2	4.2	4.2	3.2	2.2
4.2	4.4	4.2	4.1	4.2	4.3	4.4	4.3	4.3	4.2	4.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	1.1	1.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
4.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	3.1	3.1
3.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	1.1	1.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
3.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	4.1	4.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
5.3	5.1	5.3	5.1	5.1	5.3	5.3	5.2	5.3	5.5	5.4
2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	4.1	4.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
2.1	1.1	1.1	3.1	4.1	3.1	1.1	3.1	3.1	5.1	5.1
2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	2.1	2.1
3.1	1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	1.1	1.1	3.1	2.1	4.1	1.1	4.1	4.1	3.1	3.1
3.1	3.3	4.3	3.1	3.3	3.1	3.3	3.1	3.1	3.2	3.2
4.1	1.1	2.1	4.1	3.1	4.1	1.1	4.1	4.1	3.1	3.1
3.2	3.1	3.3	3.1	3.1	4.3	3.3	4.3	4.3	3.2	3.2

2.1	1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	4.1	4.1
4.1	1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	2.1	2.1
2.1	2.2	2.2	3.2	2.1	2.1	2.2	2.1	2.1	3.2	3.2
2.1	2.2	2.2	3.2	3.2	3.2	2.2	3.2	3.2	3.2	3.2
2.1	2.2	2.2	2.1	2.2	3.2	2.2	3.2	3.2	4.2	4.2
3.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
2.1	2.2	2.2	3.2	4.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	4.3	4.3
4.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	4.2	4.2
4.2	2.2	2.2	4.2	2.2	4.2	2.2	4.2	4.2	3.2	3.2
3.1	2.1	3.1	1.1	2.1	4.1	2.1	4.1	4.1	1.1	1.1
4.2	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.3	4.3
2.1	2.1	2.1	4.2	2.2	4.2	2.1	4.2	4.2	4.2	4.2
4.2	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.3	4.3
4.2	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.2	4.2
4.1	4.4	4.4	4.2	4.4	4.3	4.4	4.3	4.3	4.2	4.2
4.1	4.4	4.4	4.3	4.1	4.3	4.4	4.3	4.3	4.3	4.3
3.1	3.3	3.3	4.3	3.3	4.3	4.3	4.3	4.3	3.1	3.1
4.2	4.4	4.4	4.3	4.2	4.3	4.4	4.3	4.3	4.1	4.1
3.1	3.3	3.3	4.3	4.3	4.3	3.3	4.3	4.3	4.3	4.3
4.2	4.4	4.2	4.2	4.2	4.3	4.4	4.3	4.3	4.2	4.2
3.2	3.3	3.3	4.3	3.2	4.3	3.3	4.3	4.3	4.3	4.3
4.3	3.3	3.3	3.1	3.3	4.3	3.3	4.3	4.3	4.3	4.3
3.2	3.3	3.2	3.2	3.3	4.3	3.3	4.3	4.3	3.1	3.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	1.1	1.1	5.1	6.1	2.1	1.1	2.1	2.1	4.1	3.1

2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	2.1	2.1
3.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
2.1	3.1	3.1	2.1	1.1	4.1	1.1	4.1	4.1	4.1	2.1
4.1	1.1	1.1	2.1	3.1	4.1	1.1	4.1	4.1	4.1	4.1
3.2	3.1	3.1	5.3	4.3	5.3	3.1	5.3	5.3	5.3	5.3
3.2	2.2	2.2	2.1	2.2	3.2	2.2	3.2	3.2	4.2	4.2
3.1	3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	4.2	4.2
3.2	2.2	2.2	4.2	3.2	4.2	2.2	4.2	4.2	3.2	3.2
3.2	2.2	2.2	4.2	3.2	4.2	2.2	4.2	4.2	3.2	3.2
3.3	3.2	3.2	4.3	3.2	4.3	3.2	4.3	4.3	4.3	4.3
2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
3.2	3.1	3.3	3.1	3.1	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.1	3.3	3.1	3.1	3.2	3.3	3.2	3.2	3.2	3.2
2.2	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
4.3	4.1	4.4	4.1	4.1	4.3	4.2	4.3	4.3	4.3	4.3
4.3	4.1	4.4	4.1	4.1	4.3	4.2	4.3	4.3	4.3	4.3
3.2	2.1	2.2	2.1	2.1	3.2	2.2	3.2	3.2	3.2	3.2
3.3	3.1	3.3	3.1	3.1	3.3	3.2	3.3	3.3	3.3	3.3
2.1	3.1	3.1	2.1	1.1	4.1	3.1	4.1	4.1	2.1	2.1
4.1	1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	2.1	2.1
3.2	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.1	3.3	3.3	3.2	3.1	3.2	3.3	3.2	3.2	4.3	4.3
2.1	2.2	2.2	3.2	2.1	2.1	2.2	2.1	2.1	3.2	3.2
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	3.2	3.2

2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
3.1	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.2	3.2
3.1	2.1	2.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
4.1	1.1	4.1	2.1	1.1	3.1	4.1	3.1	3.1	3.1	1.1
1.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	1.1
2.1	1.1	1.1	3.1	2.1	4.1	1.1	4.1	4.1	3.1	3.1
2.1	1.1	1.1	3.1	2.1	4.1	1.1	4.1	4.1	3.1	3.1
2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
2.1	1.1	1.1	4.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
2.1	4.1	4.1	2.1	1.1	3.1	4.1	3.1	3.1	2.1	2.1
2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
2.2	2.1	2.2	3.2	2.2	4.2	2.1	4.2	4.2	4.2	4.2
2.1	1.1	1.1	2.1	1.1	4.1	1.1	4.1	4.1	4.1	1.1
2.1	1.1	1.1	4.1	3.1	2.1	1.1	2.1	2.1	4.1	4.1
2.1	1.1	1.1	4.1	1.1	4.1	1.1	4.1	4.1	3.1	3.1
4.3	4.4	4.4	4.1	4.4	4.1	4.4	4.1	4.1	4.3	4.3
2.1	1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	1.1	1.1
4.1	1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	2.1	2.1

3.2	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.1	3.3	3.3	3.2	3.1	4.3	3.3	4.3	4.3	3.2	3.2
3.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	4.2	4.2
2.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
2.2	4.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	4.2
2.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
4.2	4.2	4.4	4.3	4.2	4.3	4.2	4.3	4.3	4.3	4.3
2.1	2.2	2.1	2.1	2.1	3.2	2.2	3.2	3.2	2.1	2.1
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
2.1	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	2.1	2.1
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	4.3	4.3
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	4.3	4.3
3.2	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.3	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.3	4.3
2.1	2.2	2.1	3.2	2.2	4.2	2.2	4.2	4.2	4.2	2.1
4.3	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.2	4.3
3.3	4.3	4.3	3.2	4.3	3.2	4.3	3.2	3.2	3.3	3.3
4.3	4.4	4.4	4.2	4.3	4.2	4.4	4.2	4.2	4.2	4.2
4.2	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.2	4.2
4.3	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.3	4.3
4.1	4.4	4.1	4.3	4.4	4.2	4.4	4.2	4.2	4.1	4.1
4.2	2.2	2.2	4.2	2.2	4.2	2.2	4.2	4.2	3.2	3.2
3.1	3.3	3.3	4.3	3.2	3.2	3.3	3.2	3.2	4.3	4.3
4.2	4.4	4.4	4.3	4.2	4.3	4.4	4.3	4.3	4.2	4.2
4.1	4.4	4.4	4.1	4.4	4.3	4.4	4.3	4.3	4.2	4.2
3.2	3.3	3.3	3.1	3.3	4.3	3.3	4.3	4.3	4.3	4.3

5.3	5.5	5.5	5.4	5.1	5.4	5.5	5.4	5.4	5.2	5.2
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
4.3	3.1	3.1	3.2	3.3	3.2	3.1	3.2	3.2	5.3	5.3
1.1	4.1	2.1	2.1	1.1	2.1	4.1	2.1	2.1	3.1	3.1
3.1	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.1	3.1
3.1	1.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	1.1	3.1	1.1	1.1	3.1	5.1	3.1	3.1	1.1	1.1
2.1	1.1	2.1	3.1	1.1	3.1	4.1	3.1	3.1	2.1	2.1
5.4	5.1	5.1	5.3	5.5	5.3	5.1	5.3	5.3	5.2	5.2
2.1	2.1	2.1	2.1	1.1	3.1	2.1	3.1	3.1	2.1	2.1
4.1	1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	3.1	3.1
4.1	1.1	5.1	1.1	1.1	4.1	2.1	4.1	4.1	3.1	3.1
2.1	3.1	3.1	3.1	1.1	4.1	3.1	4.1	4.1	3.1	3.1
4.2	2.2	2.2	4.2	4.2	3.2	2.2	3.2	3.2	3.2	4.2
3.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	4.2	4.2
3.1	3.3	3.3	3.2	3.1	3.2	3.3	3.2	3.2	3.1	3.1
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
5.3	3.3	3.3	4.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.3	3.2	3.3	3.3	3.2	4.3	3.2	4.3	4.3	3.3	3.3
1.1	4.1	3.1	1.1	4.1	2.1	4.1	2.1	2.1	2.1	2.1
2.1	4.1	1.1	3.1	4.1	3.1	4.1	3.1	3.1	3.1	3.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	3.1	3.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	1.1

2.1	1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
2.1	1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
3.2	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	3.2	3.2
3.2	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.1	3.1
3.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	1.1
4.1	2.1	2.1	4.1	1.1	3.1	1.1	3.1	3.1	4.1	1.1
2.1	1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	1.1
4.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	4.1	4.1
5.2	5.1	5.1	5.4	5.5	5.4	5.1	5.4	5.4	5.3	5.3
4.2	4.4	4.4	4.1	4.3	4.1	4.4	4.3	4.1	4.1	4.1
2.1	2.2	2.2	2.1	2.2	3.2	2.2	3.2	3.2	3.2	2.2
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.3
3.1	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.1
3.1	3.3	3.3	3.2	4.3	3.2	3.3	3.2	3.2	3.2	3.2
3.1	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	4.3	4.3
1.1	2.1	4.1	1.1	2.1	3.1	2.1	3.1	3.1	1.1	4.1
1.1	2.1	4.1	1.1	2.1	3.1	2.1	3.1	3.1	1.1	4.1
4.2	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.3	4.3
4.1	4.4	4.4	4.1	4.4	4.2	4.4	4.2	4.2	4.2	4.4
2.1	2.2	2.2	2.1	2.2	4.2	2.2	4.2	4.2	4.2	2.2
4.2	2.2	2.2	4.2	2.2	4.2	2.2	4.2	4.2	3.2	3.2
4.2	4.4	4.4	4.2	4.3	4.2	4.4	4.2	4.2	4.2	4.2
5.2	2.2	2.2	4.2	3.2	4.2	2.2	4.2	4.2	2.1	2.1
4.3	4.4	4.4	4.3	4.4	4.3	4.4	4.3	4.3	4.3	4.3
4.4	4.4	4.3	4.1	4.4	4.3	4.4	4.3	4.3	4.1	4.1
3.2	3.3	3.3	4.3	3.2	4.3	3.3	4.3	4.3	4.3	3.1
3.1	3.3	3.3	3.2	3.3	4.3	3.3	4.3	4.3	3.2	3.2

3.2	3.3	3.3	3.2	3.3	4.3	3.3	4.3	4.3	4.3	4.3
2.1	4.2	4.2	3.2	2.2	2.2	4.2	2.2	2.2	3.2	3.2
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	3.2	3.2
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	3.2	3.2
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	3.2	3.2
3.2	3.1	3.1	3.3	3.1	3.2	3.1	3.2	3.2	3.2	3.3
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
1.1	1.1	2.1	2.1	2.1	3.1	1.1	3.1	3.1	3.1	2.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	2.1	4.1
2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
3.1	1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	2.1
4.2	4.4	4.4	4.1	4.2	4.1	4.4	4.1	4.1	4.1	4.1
4.1	4.4	4.4	4.1	4.4	4.1	4.4	4.1	4.1	4.3	4.3
3.1	1.1	1.1	2.1	1.1	4.1	1.1	4.1	4.1	4.1	2.1
3.1	1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	4.1	1.1
2.1	1.1	1.1	3.1	1.1	4.1	1.1	4.1	4.1	4.1	4.1
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.1	3.1
3.1	3.3	3.1	3.1	3.1	3.2	3.3	3.2	3.2	3.1	3.1
3.1	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	4.3	4.3
2.1	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	4.2	4.2
3.1	3.3	3.2	3.2	3.3	3.2	3.2	3.2	3.2	3.1	3.1
3.3	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.3
2.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
3.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
2.1	4.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	5.2
4.1	4.4	4.3	4.1	4.4	4.2	4.4	4.2	4.2	4.3	4.3
4.2	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.3	4.3

4.1	4.4	4.3	4.1	4.3	4.2	4.4	4.2	4.2	4.1	4.1
2.1	2.2	2.2	4.2	2.2	4.2	2.2	4.2	4.2	2.2	2.2
4.1	4.4	4.4	4.2	4.4	4.3	4.4	4.3	4.3	4.2	4.2
4.2	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.1	4.1
4.2	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.3	4.3
2.1	2.2	2.2	3.2	2.2	4.2	2.2	4.2	4.2	4.2	2.2
4.2	4.4	4.4	4.2	4.4	4.3	4.4	4.3	4.3	4.3	4.3
4.3	4.4	4.4	4.1	4.4	4.3	4.4	4.3	4.3	4.2	4.2
3.1	3.3	3.1	3.1	3.1	4.3	3.3	4.3	4.3	3.1	3.1
4.3	4.4	4.4	4.2	4.4	4.3	4.4	4.3	4.3	4.2	4.1
3.2	3.3	3.3	4.3	3.2	4.3	3.3	4.3	4.3	4.3	4.3
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
2.1	3.1	3.1	3.1	1.1	4.1	3.1	4.1	4.1	3.1	3.1
5.1	1.1	2.1	4.1	1.1	5.1	1.1	5.1	5.1	4.1	4.1
3.2	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	4.3	3.1
3.2	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.1

3.1	3.3	3.1	3.2	3.3	3.2	3.3	3.2	3.2	4.3	4.3
3.2	3.1	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
2.1	2.2	2.2	3.2	2.1	3.2	2.2	3.2	3.2	3.2	3.2
3.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	4.2	4.2
4.2	2.2	2.2	4.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	4.2	4.2
3.1	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
3.2	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
2.1	2.2	2.2	3.2	2.1	3.2	2.2	3.2	3.2	2.2	2.2
2.1	2.2	2.2	2.1	2.2	3.2	2.2	3.2	3.2	3.2	3.2
4.3	4.4	4.4	4.2	4.2	4.2	4.4	4.2	4.2	4.2	4.2
4.3	4.4	4.4	4.1	4.4	4.2	4.4	4.2	4.2	4.3	4.1
4.2	4.4	4.4	4.1	4.4	4.2	4.4	4.2	4.2	4.2	4.1
4.3	4.4	4.4	4.1	4.4	4.2	4.4	4.2	4.2	4.2	4.1
4.3	4.4	4.4	4.1	4.4	4.2	4.4	4.2	4.2	4.2	4.1
4.2	4.4	4.4	4.2	4.1	4.2	4.4	4.2	4.2	4.2	4.2
4.2	2.2	2.2	3.2	2.2	4.2	2.2	4.2	4.2	4.2	4.2
2.1	2.2	2.2	4.2	2.2	4.2	2.2	4.2	4.2	3.2	3.2
4.1	4.4	4.4	4.2	4.1	4.2	4.4	4.2	4.2	4.4	4.4
3.2	2.2	2.2	4.2	3.2	4.2	2.2	4.2	4.2	2.2	2.2
3.2	2.2	2.2	2.1	2.2	5.2	2.2	5.2	5.2	4.2	2.1
4.3	4.4	4.4	4.2	4.4	4.3	4.4	4.3	4.3	4.3	4.2
3.1	3.2	3.2	3.2	3.2	4.3	3.3	4.3	4.3	4.3	4.3
3.1	3.3	3.3	3.1	3.3	4.3	3.3	4.3	4.3	3.2	3.2
4.2	4.4	4.4	4.3	4.4	4.3	4.4	4.3	4.3	4.4	4.4
4.2	5.4	5.4	4.3	5.4	4.2	5.4	4.2	4.2	4.3	4.3
5.1	4.1	4.1	4.1	1.1	2.1	4.1	2.1	2.1	3.1	3.1
4.2	3.2	2.2	2.1	2.1	2.2	4.2	2.2	2.2	2.1	2.1

3.2	3.1	3.1	3.2	3.1	3.2	3.1	3.2	3.2	3.2	3.2
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	3.2	3.2
4.1	4.1	4.2	4.3	4.4	4.2	4.1	4.2	4.2	4.2	4.2
2.1	1.1	1.1	3.1	4.1	3.1	1.1	3.1	3.1	4.1	4.1
5.1	1.1	1.1	3.1	2.1	6.1	1.1	6.1	6.1	6.1	3.1
1.1	3.1	1.1	1.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	2.2	2.2	3.2	2.1	4.2	2.2	4.2	4.2	3.2	3.2
3.2	4.3	4.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.3
3.2	3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.3
2.1	2.2	2.2	2.1	2.2	3.2	2.2	3.2	3.2	3.2	2.2
4.3	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.3	3.3
3.1	3.3	3.3	3.1	3.1	3.2	3.3	3.2	3.2	3.2	3.3
2.1	2.2	2.1	2.2	2.2	4.2	2.1	4.2	4.2	5.2	2.2
4.1	4.4	4.4	4.2	4.2	4.2	4.4	4.2	4.2	4.2	4.2
2.1	2.2	2.2	2.1	2.2	4.2	2.2	4.2	4.2	4.2	2.2
3.1	3.2	3.1	4.3	3.2	4.3	3.2	4.3	4.3	4.3	4.3
3.3	3.3	3.3	4.3	3.2	4.3	3.3	4.3	4.3	5.3	3.3
2.1	4.2	4.2	2.2	4.2	3.2	4.2	3.2	3.2	3.2	4.2
3.1	3.3	3.2	3.1	3.1	4.3	3.3	4.3	4.3	3.1	3.3
4.3	4.4	4.4	4.3	4.4	4.3	4.4	4.3	4.3	4.2	4.4
3.1	3.3	3.3	3.1	3.2	4.3	3.3	4.3	4.3	4.3	3.3
5.1	1.1	1.1	2.1	4.1	2.1	1.1	2.1	2.1	6.1	6.1
5.1	1.1	1.1	2.1	4.1	2.1	1.1	2.1	2.1	6.1	6.1
5.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	6.1	6.1
2.1	3.2	3.2	2.1	2.2	2.1	3.2	2.1	2.1	2.1	3.2
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1

2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.2	3.3	3.3	3.2	3.3	3.1	3.3	3.1	3.1	3.1	3.1
2.1	1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
3.1	1.1	3.1	3.1	1.1	2.1	1.1	2.1	3.1	2.1	3.1
2.1	1.1	2.1	2.1	1.1	3.1	1.1	3.1	3.1	2.1	1.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.2	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	4.3	4.3
3.2	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.1	3.1
3.2	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	4.3	4.3
3.2	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.2	3.2
2.1	1.1	1.1	4.1	5.1	4.1	1.1	4.1	4.1	3.1	3.1
2.1	1.1	1.1	4.1	3.1	2.1	1.1	2.1	2.1	4.1	4.1
3.3	3.1	3.2	3.3	3.1	4.3	3.2	4.3	4.3	3.3	3.3
3.2	2.1	2.1	4.2	2.2	4.2	2.1	4.2	4.2	3.2	3.2
4.1	1.1	4.1	4.1	1.1	2.1	1.1	2.1	4.1	2.1	4.1
4.2	2.2	4.2	4.2	2.1	2.2	2.2	2.2	4.2	2.2	4.2
3.1	1.1	4.1	3.1	1.1	2.1	1.1	2.1	4.1	2.1	3.1
4.1	4.4	4.4	4.1	4.4	4.1	4.4	4.1	4.1	4.3	4.3
4.1	1.1	5.1	4.1	1.1	2.1	1.1	2.1	5.1	5.1	4.1
2.1	3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1

1.1	3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.2	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.3
2.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
4.1	4.3	4.2	4.1	4.3	4.2	4.3	4.2	4.2	4.1	4.1
4.4	4.3	4.3	4.2	4.3	4.2	4.3	4.2	4.2	4.2	4.2
1.1	2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
3.3	3.3	3.1	3.1	3.3	3.2	3.3	3.2	3.2	3.2	3.2
4.2	2.2	2.2	4.2	2.1	4.2	2.2	4.2	4.2	3.2	3.2
2.1	2.2	2.1	2.1	2.2	4.2	2.2	4.2	4.2	2.1	2.2
3.1	3.2	3.2	4.3	3.2	4.3	3.2	4.3	4.3	4.3	4.3
3.2	4.3	4.3	3.3	4.3	3.2	4.3	3.2	3.2	3.2	3.2
2.1	2.2	2.1	2.1	2.2	4.2	2.2	4.2	4.2	3.2	3.2
4.1	4.4	4.4	4.2	4.2	4.3	4.4	4.3	4.3	4.3	4.2
3.1	3.3	3.1	3.1	3.2	4.3	3.3	4.3	4.3	3.2	3.2
4.3	3.3	3.2	3.1	3.1	3.2	3.2	3.2	3.2	3.2	4.3
2.2	4.2	2.2	2.1	2.1	3.2	4.2	3.2	2.2	2.1	2.1
3.1	1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1
2.1	1.1	2.1	3.1	1.1	3.1	1.1	3.1	3.1	1.1	1.1
2.1	1.1	1.1	2.1	2.1	3.1	1.1	3.1	3.1	3.1	1.1
4.3	4.4	4.4	4.1	4.3	4.1	4.4	4.1	4.1	4.1	4.1
2.1	2.2	2.1	3.2	2.2	3.2	2.1	3.2	3.2	4.2	4.2
4.2	2.2	2.1	4.2	2.2	3.2	2.1	3.2	3.2	4.2	4.2
2.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	2.2
4.1	4.4	4.4	4.2	4.2	4.2	4.4	4.2	4.2	4.2	4.4
3.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	4.2	4.2
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	4.2	4.2

2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1
2.1	4.2	4.2	2.1	2.2	2.1	3.2	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	3.2	3.2
3.2	3.2	3.2	3.1	3.1	3.2	3.3	3.2	3.2	4.3	4.3
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	3.2	3.2
1.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	4.1	4.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
1.1	1.1	3.1	3.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
1.1	1.1	4.1	4.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	4.2	4.2
2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
4.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	1.1	1.1
3.1	1.1	1.1	5.1	1.1	2.1	1.1	2.1	2.1	4.1	4.1
2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	4.1	4.1
2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
3.2	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.1	3.1
2.2	2.1	2.2	2.2	2.1	3.2	2.1	3.2	3.2	3.2	3.2
2.2	2.1	5.2	2.2	2.1	3.2	4.2	3.2	3.2	3.2	3.2
1.1	1.1	4.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	1.1	4.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	1.1	4.1	4.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	1.1	4.1	4.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	1.1	3.1	3.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
4.3	3.3	3.3	3.1	4.3	3.1	3.3	3.1	3.1	3.2	3.2
3.1	1.1	1.1	3.1	4.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	1.1	2.1	3.1	2.1	3.1	1.1	3.1	3.1	2.1	2.1

4.2	4.4	4.4	4.1	4.3	4.1	4.4	4.1	4.1	4.3	4.3
3.2	3.1	3.1	4.3	3.3	4.3	3.1	4.3	4.3	3.3	3.3
3.2	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.1	3.3	4.3	3.1	3.3	3.2	4.3	3.2	3.2	3.3	3.3
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
2.1	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
2.1	2.2	2.2	3.2	2.2	3.2	2.2	3.2	3.2	3.2	3.2
2.1	2.2	2.1	2.1	2.1	3.2	2.2	3.2	3.2	4.2	4.2
2.1	2.2	2.2	2.1	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.1	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.1	3.2
3.1	3.3	3.1	3.1	3.3	3.2	3.3	3.2	3.2	3.1	3.1
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	4.3	4.3
3.2	2.2	2.2	3.2	4.2	3.2	2.2	3.2	3.2	4.2	4.2
2.1	2.2	2.2	3.2	2.1	3.2	2.2	3.2	3.2	4.2	4.2
2.1	2.2	2.1	2.1	2.1	3.2	2.2	3.2	3.2	2.1	2.1
4.1	4.4	4.2	4.2	4.2	4.2	4.4	4.2	4.2	4.2	4.1
4.1	4.4	4.4	4.2	4.4	4.3	4.4	4.2	4.2	4.2	4.2
2.1	2.2	3.2	2.1	2.1	4.2	2.2	4.2	4.2	2.1	2.1
2.2	2.2	2.2	4.2	3.2	4.2	2.2	4.2	4.2	4.2	4.2
2.1	2.2	2.1	2.1	2.1	4.2	2.2	4.2	4.2	3.2	3.2
4.2	4.1	4.1	4.3	4.4	4.3	4.4	4.3	4.3	4.3	4.3
3.1	3.3	3.1	3.1	3.1	4.3	3.3	4.3	4.3	3.2	3.2
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1

2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	4.1	4.1
2.1	1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	1.1	1.1
4.2	4.1	4.1	4.2	4.1	4.2	4.1	4.2	4.2	4.2	4.2
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
4.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
5.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	4.1	4.1
2.2	2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.2	2.2	2.2
1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
4.4	4.1	4.2	4.4	4.1	4.2	4.1	4.2	4.2	4.2	4.2
2.1	1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.2	2.1	2.2	2.2	2.1	2.2	2.1	2.2	2.2	4.2	4.2
3.2	3.3	3.3	3.1	3.3	3.1	3.3	3.1	3.1	3.1	3.1
2.2	2.2	3.2	2.1	2.1	3.2	2.2	3.2	3.2	4.2	4.2
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.1	1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
3.2	2.1	2.1	3.2	2.1	3.2	2.1	3.2	3.2	3.2	3.2
2.1	1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	1.1	1.1
3.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.2	2.2	2.2	3.2	2.1	3.2	2.2	3.2	3.2	3.2	3.2
2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1

2.1	1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
3.3	3.1	3.3	3.3	3.1	3.3	3.1	3.3	3.3	3.2	3.2
4.2	2.1	2.1	4.2	2.1	3.2	2.1	3.2	3.2	3.2	3.2
2.2	2.1	2.2	3.2	2.1	3.2	2.1	3.2	3.2	4.2	4.2
2.1	1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	1.1	2.1	2.1	1.1	4.1	1.1	4.1	4.1	3.1	3.1
2.2	2.2	3.2	2.1	2.1	3.2	2.2	3.2	3.2	3.2	3.2
3.1	3.3	3.3	3.1	3.3	3.2	3.3	3.2	3.2	4.3	4.3
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
2.1	2.2	2.1	2.1	2.2	3.2	2.2	3.2	3.2	3.2	3.2
3.2	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
2.1	2.2	2.1	3.2	2.2	3.2	2.2	3.2	3.2	2.2	2.2
3.2	3.2	2.1	2.2	3.2	2.2	3.2	2.2	2.2	2.2	2.2
3.1	3.3	3.3	3.2	3.3	3.2	3.3	3.2	3.2	3.2	3.2
1.1	3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
4.2	2.2	2.2	4.2	3.2	4.2	2.2	4.2	4.2	3.2	3.2
4.2	4.1	4.1	4.1	4.4	4.2	4.1	4.2	4.2	4.3	4.3
3.2	2.2	2.2	4.2	4.2	4.2	2.2	4.2	4.2	4.2	4.2
4.2	4.4	4.4	4.2	4.4	4.2	4.4	4.2	4.2	4.3	4.3
4.2	4.4	4.4	4.2	4.4	4.3	4.4	4.3	4.3	4.3	4.3
4.2	3.2	3.2	4.2	3.2	4.2	3.2	4.2	4.2	4.2	4.2
4.2	2.2	2.2	4.2	3.2	2.2	2.2	2.2	2.2	2.2	2.2
3.1	3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.3
2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2	2.2	2.2
2.1	3.2	3.2	2.1	2.2	2.2	3.2	2.2	2.2	4.2	4.2
4.3	4.2	4.2	4.4	4.3	4.2	4.2	4.2	4.2	4.4	4.4
3.1	1.1	1.1	1.1	4.1	1.1	1.1	1.1	1.1	2.1	2.1
4.1	4.4	4.4	4.4	4.2	4.4	4.4	4.3	4.4	4.4	4.4

2.1	3.1	3.1	1.1	2.1	3.1	3.1	3.1	3.1	1.1	1.1
2.1	3.1	3.1	1.1	2.1	3.1	3.1	3.1	3.1	1.1	1.1
2.1	4.1	2.1	1.1	2.1	3.1	4.1	3.1	3.1	3.1	1.1
2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2	2.2	2.2
2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2	2.2	2.2
2.2	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2	2.2	2.2
2.1	4.1	4.1	1.1	3.1	2.1	4.1	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.2	3.2	2.2	2.2	2.2	2.2	2.2	2.2
2.1	1.1	1.1	2.1	3.1	1.1	1.1	1.1	1.1	1.1	1.1
3.3	3.1	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.1	3.1

Draft

38x37	27x2	27x3	27x4	27x6	27x8	27x9	27x13	27x17	27x20	27x24
-0.1135039	-0.0185438	-0.1809939	-0.097119	-0.3899284	0.04787225	-0.3933973	-0.1652276	-0.3782978	-0.2220671	-0.065681
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
1.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
2.1	4.1	4.4	4.4	4.4	4.1	4.1	4.3	4.2	4.3	4.1
3.1	3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	3.1
1.1	3.1	3.1	3.1	3.2	3.1	3.1	3.3	3.3	3.3	3.1
1.1	3.1	3.1	3.1	3.2	3.1	3.1	3.3	3.3	3.3	3.1
1.1	3.1	3.1	3.1	3.2	3.1	3.1	3.3	3.3	3.3	3.1
1.1	1.1	1.1	1.1	2.1	1.1	1.1	3.1	1.1	3.1	1.1
1.1	2.1	2.1	2.1	2.1	2.1	2.1	3.2	2.1	3.2	2.1
1.1	3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.1
1.1	3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.1

1.1	3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.1
1.1	3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.1
2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	2.1	3.1	2.1
1.1	4.2	3.2	3.2	2.1	4.2	4.2	2.1	4.2	2.2	4.2
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.1	3.2	4.3	3.2
3.1	3.1	2.1	2.1	3.1	3.1	3.1	4.1	3.1	4.1	3.1
2.1	4.3	3.2	3.2	3.2	4.3	4.3	3.1	4.3	3.3	4.3
3.1	4.3	4.3	4.3	4.2	4.1	4.1	4.4	4.4	4.4	4.1
2.1	4.2	4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.1	4.2
2.1	2.1	3.1	3.1	3.1	2.1	2.1	1.1	3.1	1.1	2.1
2.1	3.2	3.3	3.3	3.1	3.2	3.2	3.1	3.2	3.1	3.2
1.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
2.1	2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.1	3.2	3.1	3.2
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	4.2	4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.1	4.2
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.1	3.2	3.1	3.2
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
1.1	2.1	5.2	5.2	2.2	2.1	2.1	4.2	3.2	2.2	2.1
3.1	3.1	2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	3.1
1.1	3.1	3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.1
1.1	3.1	4.3	4.3	3.3	3.1	3.1	3.3	3.2	3.3	3.1

1.1	2.1	4.2	4.2	3.2	2.1	2.1	3.2	4.2	3.2	2.1
1.1	3.1	4.3	4.3	3.2	3.1	3.1	3.3	3.1	3.3	3.1
3.1	3.2	4.2	4.2	2.1	3.2	3.2	2.1	3.2	2.1	3.2
3.1	3.1	2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	3.1
3.1	3.1	2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	3.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.2	3.2	2.1
3.1	4.3	4.1	4.1	4.2	4.3	4.3	4.1	4.3	4.1	4.3
3.1	3.1	1.1	1.1	2.1	3.1	3.1	4.1	3.1	1.1	3.1
3.1	3.2	4.2	4.2	2.1	3.2	3.2	2.1	3.2	2.1	3.2
3.1	3.1	2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	3.1
4.1	4.2	3.2	3.2	2.2	4.2	4.2	2.1	2.2	2.1	4.2
4.1	4.2	2.1	2.1	3.2	4.2	4.2	2.1	4.2	2.1	4.2
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2
3.1	3.2	2.2	2.2	4.2	2.2	2.2	2.1	3.2	2.2	2.2
2.1	3.2	3.3	3.3	3.3	3.2	3.2	3.1	3.2	3.3	3.2
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2
3.1	3.2	2.2	2.2	4.2	3.2	3.2	4.2	3.2	2.2	3.2
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2
3.1	4.3	4.2	4.2	4.1	4.3	4.3	4.1	4.3	4.2	4.3
2.1	3.2	3.1	3.1	3.1	3.2	3.2	3.3	3.2	3.1	3.2
2.1	3.2	4.3	4.3	3.3	3.2	3.2	3.3	3.1	3.3	3.2
3.1	3.2	2.1	2.1	2.2	3.2	3.2	2.2	2.1	2.2	3.2
3.1	4.3	4.2	4.2	4.1	4.3	4.3	4.2	4.3	4.2	4.3
3.1	3.2	2.1	2.1	2.1	3.2	3.2	2.1	3.2	2.2	3.2
3.1	3.1	1.1	1.1	4.1	4.1	4.1	1.1	3.1	2.1	4.1
3.1	4.3	4.2	4.2	4.1	4.3	4.3	4.1	4.3	4.2	4.3
3.1	3.2	2.1	2.1	2.1	3.2	3.2	2.1	3.2	2.2	3.2

2.1	1.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	3.1	2.1
3.1	3.2	2.2	2.2	2.1	3.2	3.2	2.1	3.2	2.2	3.2
3.1	3.2	2.2	2.2	2.1	3.2	3.2	2.1	3.2	2.2	3.2
4.1	4.2	2.1	2.1	2.2	4.2	4.2	2.2	3.2	2.2	4.2
2.1	4.2	4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.3	4.2
2.1	4.2	4.3	4.3	4.1	4.2	4.2	4.4	4.4	4.4	4.2
4.1	4.3	3.1	3.1	3.1	4.3	4.3	3.2	3.1	3.2	4.3
4.1	4.2	3.2	3.2	2.1	4.2	4.2	2.1	4.2	2.2	4.2
4.1	4.3	3.2	3.2	3.1	4.3	4.3	3.3	3.3	3.3	4.3
4.1	4.3	3.2	3.2	3.2	4.3	4.3	3.3	3.2	3.2	4.3
4.1	4.2	2.1	2.1	2.1	4.2	4.2	3.2	2.2	3.2	4.2
3.1	3.2	4.2	4.2	4.2	3.2	3.2	4.2	3.2	4.2	3.2
2.1	2.1	4.1	4.1	3.1	2.1	2.1	1.1	2.1	1.1	2.1
1.1	3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.3	3.2	3.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.2	2.2	2.1
1.1	4.1	4.3	4.3	4.2	4.1	4.1	4.2	4.4	4.2	4.1
1.1	3.1	4.3	4.3	3.2	3.1	3.1	3.2	3.3	3.2	3.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.2	2.2	2.1
1.1	2.1	3.2	3.2	4.2	2.1	2.1	4.2	4.2	2.2	2.1
1.1	2.1	5.2	5.2	2.2	2.1	2.1	4.2	3.2	2.2	2.1
1.1	3.1	3.3	3.3	4.3	3.1	3.2	4.3	3.3	3.2	3.1
1.1	4.1	4.4	4.4	4.3	4.1	4.1	4.3	4.2	4.3	4.1
1.1	3.1	3.1	3.1	3.2	3.1	4.3	3.3	3.1	3.3	4.3
1.1	3.1	3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.1
1.1	3.1	4.3	4.3	3.3	3.1	3.2	3.3	3.3	3.3	3.1
1.1	2.1	3.2	3.2	4.2	2.1	2.1	4.2	2.2	4.2	2.1
1.1	3.1	3.2	3.2	4.3	3.1	3.1	4.3	3.3	4.3	3.1
1.1	3.1	3.3	3.3	3.2	3.1	3.2	4.3	3.3	4.3	3.1

1.1	3.1	3.2	3.2	3.2	3.1	3.1	4.3	3.2	4.3	3.1
1.1	3.1	4.3	4.3	3.2	3.1	3.1	4.3	3.1	4.3	3.1
1.1	3.1	3.1	3.1	4.3	3.1	3.1	3.2	3.1	4.3	3.1
1.1	2.1	3.2	3.2	4.2	2.1	2.1	2.2	2.2	4.2	2.1
1.1	4.2	5.2	5.2	3.2	4.2	4.2	3.2	2.1	5.2	2.1
2.1	3.2	4.3	4.3	3.2	3.2	3.1	3.3	3.3	3.3	3.2
4.1	4.2	3.2	3.2	2.1	4.2	4.2	3.2	2.1	2.2	4.2
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4.1	4.2	2.2	2.2	2.2	4.2	2.2	2.1	2.2	3.2	4.2
1.1	1.1	1.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	1.1
2.1	2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
1.1	3.1	4.3	4.3	4.3	3.1	3.1	3.2	3.1	3.2	3.1
1.1	3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.3	3.2	3.1
1.1	1.1	4.1	4.1	3.1	1.1	1.1	2.1	3.1	2.1	1.1
2.1	2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
1.1	4.1	4.3	4.3	4.3	4.1	4.1	4.2	4.1	4.2	4.1
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
5.1	5.1	5.3	5.3	5.3	5.1	5.3	5.1	5.1	5.3	5.3
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1.1	5.1	5.4	5.4	5.2	5.1	5.1	5.3	5.4	5.3	5.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.2	3.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.2	3.2	2.1
1.1	2.1	2.2	2.2	3.2	2.1	2.1	2.2	2.1	3.2	2.1
1.1	3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	4.3	3.1
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1.1	3.1	3.3	3.3	4.3	3.1	3.2	4.3	3.3	4.3	3.1
3.1	2.1	4.2	4.2	2.2	2.1	3.2	2.1	2.1	4.2	3.2

1.1	4.1	4.4	4.4	4.2	4.1	4.1	4.4	4.3	4.4	4.1
1.1	2.1	3.2	3.2	4.2	2.1	2.1	4.2	3.2	4.2	2.1
2.1	3.2	3.1	3.1	3.1	3.2	3.2	3.3	3.1	3.1	3.2
2.1	3.2	3.2	3.2	3.1	3.2	3.2	3.3	3.3	3.3	3.2
2.1	4.2	4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.3	4.2
2.1	3.2	4.3	4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.2
2.1	3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.2
2.1	3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.2
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.3	4.3	3.3	3.2
3.1	4.3	4.2	4.2	4.2	4.3	4.3	4.2	4.3	4.2	4.3
2.1	4.2	4.4	4.4	4.4	4.2	4.2	4.3	4.2	4.3	4.2
2.1	3.2	4.3	4.3	4.3	3.2	3.2	4.3	3.2	4.3	3.2
1.1	3.1	1.1	1.1	3.1	2.1	3.1	1.1	2.1	4.1	2.1
4.1	4.3	3.2	3.2	3.2	4.3	4.3	3.2	4.3	3.2	4.3
2.1	4.2	4.3	4.3	4.1	4.1	4.1	4.4	4.2	4.4	4.1
4.1	4.3	3.2	3.2	3.2	4.3	4.3	3.2	4.3	3.2	4.3
4.1	4.2	3.2	3.2	2.2	4.2	4.2	2.2	4.2	2.2	4.2
4.1	4.2	4.2	4.2	2.1	4.2	4.2	2.2	4.2	3.2	4.2
4.1	4.3	3.2	3.2	3.1	4.3	4.3	3.3	3.1	3.3	4.3
3.1	3.1	2.1	2.1	1.1	3.1	3.1	4.1	3.1	4.1	4.1
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3.1	4.3	4.2	4.2	4.1	4.3	4.3	4.4	4.4	4.4	4.3
4.1	2.2	2.2	2.2	2.2	4.2	2.2	2.2	2.2	3.2	4.2
3.1	4.3	4.2	4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.3
3.1	4.3	4.2	4.2	4.4	4.3	4.3	4.1	4.3	4.4	4.3
3.1	3.1	2.1	2.1	2.1	3.1	2.1	2.1	3.1	4.1	3.1
2.1	2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
1.1	4.1	4.1	4.1	4.2	4.1	4.1	5.4	6.4	4.2	4.1

1.1	2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.2	3.2	2.1
1.1	3.1	3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.1
1.1	4.1	4.2	4.2	4.2	4.3	4.3	4.2	4.1	4.4	4.1
1.1	4.1	4.3	4.3	4.4	4.1	4.1	4.2	4.3	4.4	4.1
3.1	5.1	5.4	5.4	5.2	5.1	5.1	5.5	5.4	5.5	5.1
2.1	4.2	4.4	4.4	4.3	4.2	4.2	4.1	4.2	4.3	4.2
3.1	3.2	4.2	4.2	2.1	3.2	3.2	2.2	2.2	2.2	3.2
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2
2.1	4.2	4.2	4.2	4.3	4.2	4.2	4.3	4.2	4.3	4.2
2.1	3.2	3.3	3.3	3.3	3.2	3.2	4.3	3.3	4.3	3.2
2.1	3.2	3.3	3.3	3.3	3.2	3.2	4.3	3.3	4.3	3.2
3.1	4.2	4.4	4.4	4.3	4.2	4.2	4.4	4.2	4.4	4.2
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1
1.1	2.1	4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1
3.1	2.1	2.2	2.2	2.2	2.1	3.2	2.1	2.1	2.2	3.2
3.1	2.1	2.2	2.2	2.2	2.1	3.2	2.1	2.1	2.2	3.2
2.1	2.1	2.2	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.2
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
4.1	3.1	3.3	3.3	3.3	3.1	4.3	3.1	3.1	3.3	3.2
4.1	3.1	3.3	3.3	3.3	3.1	4.3	3.1	3.1	3.3	3.2
2.1	3.1	3.3	3.3	3.3	3.1	3.2	3.1	3.1	3.3	3.2
3.1	3.1	3.3	3.3	3.3	3.1	3.3	3.1	3.1	3.3	3.2
1.1	3.2	3.2	3.2	2.2	3.2	3.2	2.2	2.1	4.2	3.2
1.1	2.1	2.2	2.2	4.2	2.1	2.1	4.2	3.2	4.2	2.1
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2
3.1	4.3	4.1	4.1	4.1	4.3	4.3	4.2	4.1	4.2	4.3
2.1	3.2	3.1	3.1	3.1	3.2	3.2	3.3	3.1	3.1	3.2
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.1	3.2	3.1	3.2

1.1	2.1	4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	3.2	2.1	2.1	3.2	2.1	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1
2.1	2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
3.1	3.2	4.2	4.2	2.1	3.2	3.2	2.1	3.2	2.1	3.2
1.1	3.1	4.3	4.3	3.3	3.2	3.2	3.3	3.1	3.3	3.1
1.1	4.3	3.2	3.2	4.3	3.1	4.3	3.2	3.1	3.3	4.3
1.1	3.1	4.3	4.3	3.1	3.1	3.1	3.3	3.2	3.3	3.1
1.1	3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	4.3	3.1
1.1	3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	4.3	3.1
1.1	3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.1
1.1	3.1	4.3	4.3	3.2	3.1	3.1	3.3	3.2	3.3	3.1
1.1	4.1	4.4	4.4	4.2	4.1	4.1	4.3	4.1	4.3	4.1
1.1	4.1	4.3	4.3	4.2	4.1	4.1	4.4	4.1	4.3	4.1
1.1	4.2	2.2	2.2	2.2	4.2	4.2	2.2	2.1	3.2	4.2
1.1	3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.1
1.1	4.1	4.3	4.3	4.2	4.1	4.1	4.3	4.1	4.3	4.1
2.1	4.1	4.3	4.3	4.2	4.1	4.2	4.3	4.2	4.4	4.1
1.1	4.1	4.1	4.3	4.2	4.1	4.1	4.2	4.1	4.4	4.1
1.1	4.1	4.3	4.3	4.2	4.1	4.1	4.4	4.3	4.2	4.1
1.1	3.1	3.2	3.2	3.2	3.1	3.1	4.3	3.1	4.3	3.1
4.1	4.3	3.2	3.2	3.3	4.3	4.3	3.1	4.3	3.1	4.3
1.1	1.1	1.1	1.1	2.1	1.1	1.1	4.1	3.1	4.1	1.1
1.1	2.1	2.2	2.2	4.2	2.1	2.1	4.2	3.2	4.2	2.1

3.1	3.2	2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	3.2
3.1	3.2	2.1	2.1	2.1	3.2	3.2	2.2	2.1	4.2	3.2
2.1	4.2	4.3	4.3	4.3	4.2	4.2	4.3	4.2	4.3	4.2
2.1	3.2	3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.3	3.2
2.1	3.2	3.3	3.3	3.2	4.3	3.2	3.3	3.2	3.3	3.2
2.1	3.2	3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.3	3.2
4.1	3.2	3.3	3.3	3.2	3.2	4.3	3.3	3.2	3.3	3.2
2.1	2.1	4.1	4.1	1.1	2.1	1.1	1.1	1.1	3.1	2.1
3.1	3.2	4.2	4.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2
2.1	2.1	4.1	4.1	1.1	2.1	2.1	3.1	2.1	3.1	2.1
3.1	4.3	4.2	4.2	4.2	4.3	4.3	4.2	4.3	4.2	4.3
3.1	4.3	4.2	4.2	4.2	4.3	4.3	4.2	4.3	4.2	4.3
3.1	3.2	2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	3.2
3.1	3.2	2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	3.2
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2
4.1	4.3	4.3	4.3	3.3	4.3	4.3	3.2	4.3	3.2	4.3
2.1	4.2	4.3	4.3	4.1	4.2	4.1	4.3	4.2	4.4	4.2
4.1	4.2	2.2	2.2	3.2	4.2	4.2	2.2	4.2	2.2	4.2
3.1	4.3	3.1	3.1	3.3	4.3	4.3	3.2	4.3	3.2	4.3
4.1	4.2	3.2	3.2	3.2	4.2	4.2	2.2	3.2	2.2	4.2
4.1	4.2	3.2	3.2	2.2	4.2	4.2	2.2	4.2	2.2	4.2
4.1	4.3	3.2	3.2	3.3	4.3	4.3	3.2	4.3	3.2	4.3
4.1	4.1	3.1	3.1	1.1	4.1	1.1	3.1	4.1	2.1	4.1
2.1	3.2	3.2	3.2	4.3	3.2	3.2	4.3	3.2	4.3	3.2
3.1	4.3	4.2	4.2	4.1	4.3	4.3	4.4	4.2	4.2	4.3
4.1	4.2	2.1	2.1	2.2	4.2	4.2	3.2	2.2	3.2	4.2
4.1	4.2	3.2	3.2	2.1	4.2	4.2	2.1	4.2	3.2	4.2
3.1	4.3	4.1	4.1	4.2	4.3	4.3	4.1	4.3	4.4	4.3

5.1	5.2	2.2	2.2	3.2	5.2	5.2	4.2	2.1	4.2	5.2
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	4.2	4.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1
3.1	5.1	6.5	6.5	5.4	5.1	5.1	5.2	5.3	5.2	5.1
1.1	3.1	3.2	3.2	3.1	4.3	3.2	3.2	3.1	3.2	4.3
3.1	3.1	2.1	2.1	1.1	3.1	3.1	1.1	3.1	1.1	3.1
1.1	2.1	2.2	2.2	3.2	2.1	2.2	2.1	2.1	3.2	2.1
1.1	1.1	4.1	4.1	2.1	1.1	3.1	1.1	1.1	3.1	5.1
1.1	2.1	2.2	2.2	2.2	2.1	2.2	3.2	2.1	3.2	4.2
5.1	2.1	2.1	2.1	4.2	2.1	2.1	3.2	5.2	3.2	2.1
1.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.1	3.2	2.2
1.1	3.1	3.2	3.2	4.3	3.1	3.1	4.3	3.2	4.3	3.1
1.1	3.1	3.2	3.2	4.3	3.1	5.3	3.1	3.1	4.3	3.2
1.1	3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.1	4.3	3.3
2.1	3.2	4.3	4.3	4.3	3.2	3.2	4.3	4.3	3.3	3.2
2.1	4.2	4.3	4.3	4.3	4.2	4.2	4.3	4.2	4.3	4.2
3.1	3.1	1.1	1.1	1.1	3.1	3.1	2.1	1.1	2.1	3.1
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2
3.1	3.2	2.2	2.2	5.2	3.2	3.2	4.2	3.2	2.2	3.2
3.1	3.2	3.3	3.3	3.3	3.2	3.3	3.3	3.2	4.3	3.2
1.1	4.2	2.2	2.2	2.1	4.2	3.2	2.1	4.2	2.2	4.2
1.1	4.3	3.3	3.3	3.2	4.3	3.1	3.3	4.3	3.3	4.3
2.1	2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
1.1	2.1	4.2	4.2	2.2	3.2	3.2	2.2	2.1	2.2	2.1

1.1	2.1	4.2	4.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1
1.1	2.1	4.2	4.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1
2.1	3.2	3.1	3.1	3.3	3.2	3.2	3.1	3.2	3.1	3.2
3.1	3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	3.1
1.1	3.1	3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.1
1.1	4.1	4.3	4.3	4.4	4.2	4.2	4.4	4.1	4.3	4.1
1.1	3.1	4.3	4.3	3.2	3.1	3.1	3.2	3.1	3.3	3.1
1.1	2.1	4.2	4.2	4.2	2.1	2.1	3.2	2.1	3.2	2.1
1.1	4.1	4.3	4.3	4.2	4.1	4.1	4.4	4.2	4.4	4.1
5.1	3.1	5.3	5.3	3.2	3.1	3.1	4.3	5.3	4.3	3.1
4.1	4.1	3.1	3.1	2.1	4.1	4.1	1.1	3.1	1.1	4.1
2.1	3.2	3.1	3.1	3.1	3.2	3.2	3.1	3.2	3.3	3.2
3.1	3.2	4.2	4.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2
3.1	3.2	4.2	4.2	2.1	3.2	3.2	2.1	3.2	2.2	3.2
3.1	3.2	4.2	4.2	2.1	3.2	3.2	2.2	4.2	2.2	3.2
3.1	4.3	4.3	4.3	4.1	4.3	4.3	4.2	4.3	4.2	4.3
1.1	2.1	1.1	1.1	1.1	2.1	4.1	1.1	2.1	3.1	2.1
1.1	2.1	1.1	1.1	1.1	2.1	4.1	1.1	2.1	3.1	2.1
4.1	4.3	3.2	3.2	3.2	4.3	4.3	3.2	4.3	3.2	4.3
4.1	4.2	3.2	3.2	2.1	4.2	4.2	2.1	4.2	2.2	4.2
2.1	4.2	4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.4	4.2
2.1	3.2	3.2	3.2	4.3	3.2	3.2	4.3	3.2	4.3	3.2
4.1	4.2	3.2	3.2	2.2	4.2	4.2	2.2	3.2	2.2	4.2
2.1	2.1	1.1	1.1	5.1	2.1	2.1	4.1	3.1	4.1	2.1
4.1	4.3	3.2	3.2	3.3	4.3	4.3	3.3	4.3	3.3	4.3
4.1	4.1	2.1	2.1	4.1	4.1	3.1	1.1	4.1	3.1	4.1
3.1	4.3	4.2	4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.3
3.1	3.2	4.2	4.2	2.1	3.2	3.2	2.2	3.2	4.2	3.2

3.1	4.3	4.2	4.2	4.2	4.3	4.3	4.2	4.3	4.4	4.3
2.1	4.3	4.3	4.3	3.1	4.3	4.3	3.3	3.2	3.2	4.3
2.1	3.2	3.3	3.3	3.1	3.2	3.2	3.1	3.2	3.1	3.2
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.1	3.2	3.1	3.2
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.1	3.2	3.1	3.2
3.1	2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1
1.1	3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.1	3.2	3.1
1.1	3.1	3.2	3.2	3.1	3.1	3.2	3.2	3.2	3.3	3.1
1.1	2.1	4.2	4.2	2.2	2.1	2.1	3.2	2.1	3.2	2.1
1.1	3.1	4.3	4.3	3.2	3.1	3.1	3.3	3.2	3.3	3.1
1.1	3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.3	3.1
4.1	4.1	3.1	3.1	2.1	4.1	4.1	1.1	2.1	1.1	4.1
4.1	4.3	3.2	3.2	3.1	4.3	4.3	3.1	4.3	3.1	4.3
1.1	4.1	4.3	4.3	4.3	4.1	4.1	4.2	4.1	4.4	4.1
1.1	4.1	4.1	4.1	4.3	4.1	4.1	4.4	4.2	4.4	4.1
1.1	4.1	4.4	4.4	4.2	4.1	4.1	4.3	4.1	4.4	4.1
3.1	3.1	4.1	4.1	2.1	3.1	3.1	2.1	3.1	2.1	3.1
3.1	3.1	1.1	1.1	1.1	3.1	1.1	1.1	1.1	2.1	3.1
3.1	4.3	4.1	4.1	4.1	4.3	4.3	4.2	4.3	4.2	4.3
2.1	4.2	4.1	4.1	4.1	4.2	4.2	4.3	4.2	4.3	4.2
3.1	3.1	4.1	4.1	1.1	3.1	2.1	2.1	3.1	2.1	2.1
3.1	3.2	2.1	2.1	3.2	3.2	3.2	2.2	3.2	2.2	3.2
2.1	3.2	3.1	3.1	3.2	3.2	3.2	3.3	3.2	3.3	3.2
2.1	3.2	4.3	4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.2
2.1	3.2	3.3	3.3	3.1	4.3	3.2	3.3	3.2	3.3	3.2
4.1	4.3	3.3	3.3	3.1	4.3	3.3	3.1	4.3	3.2	4.3
4.1	4.3	3.1	3.1	3.2	4.3	4.3	3.2	4.3	3.2	4.3

4.1	4.1	1.1	1.1	1.1	4.1	3.1	1.1	3.1	2.1	4.1
2.1	2.2	3.2	3.2	2.1	2.2	2.2	4.2	2.2	4.2	2.2
4.1	4.2	2.1	2.1	2.1	4.2	4.2	2.2	4.2	3.2	4.2
4.1	4.1	3.1	3.1	2.1	4.1	4.1	2.1	4.1	2.1	4.1
4.1	4.3	3.2	3.2	3.2	4.3	4.3	3.2	4.3	3.2	4.3
2.1	4.1	4.1	4.1	4.1	4.2	4.2	4.3	4.2	4.4	4.2
4.1	4.3	3.2	3.2	3.2	4.3	4.3	3.2	4.3	3.3	4.3
4.1	4.2	2.1	2.1	3.2	4.2	4.2	2.1	4.2	3.2	4.2
3.1	3.1	2.1	2.1	1.1	3.1	1.1	1.1	1.1	4.1	3.1
4.1	4.2	2.2	2.2	3.2	4.2	4.2	2.2	4.2	3.2	4.2
3.1	4.3	4.2	4.2	4.2	4.3	4.3	4.4	4.2	4.4	4.3
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	3.1	3.3	3.3	3.3	3.1	3.1	3.2	3.1	3.2	3.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
2.1	2.1	3.1	3.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
1.1	4.1	4.3	4.3	4.2	4.1	4.1	4.3	4.1	4.3	4.1
1.1	3.1	4.3	4.3	3.2	3.1	3.1	3.3	3.1	3.3	3.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	3.2	2.1
1.1	4.1	4.2	4.2	4.2	4.1	4.1	4.3	4.1	4.3	4.1
1.1	3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.1	4.3	3.3
1.1	4.1	4.3	4.3	5.4	4.1	4.2	4.4	4.1	5.4	4.1
3.1	4.3	4.2	4.4	4.2	4.3	4.3	4.1	4.3	4.2	4.3
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2

3.1	4.3	4.2	4.2	4.1	4.3	4.1	4.2	4.3	4.2	4.3
3.1	3.2	2.2	2.2	2.2	2.1	3.2	2.2	3.2	2.2	3.2
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.3	3.1	3.3	3.2
2.1	4.2	4.3	4.3	4.3	4.2	4.2	4.3	4.2	4.3	4.2
2.1	3.2	4.3	4.3	4.3	3.2	3.2	4.3	3.2	3.3	3.2
2.1	4.2	4.3	4.3	4.3	4.2	4.2	4.3	4.2	4.3	4.2
3.1	3.2	2.1	2.1	2.1	3.2	3.2	2.1	3.2	2.2	3.2
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2
2.1	2.2	2.2	2.2	2.1	2.2	2.2	3.2	2.1	3.2	2.2
2.1	3.2	3.1	3.1	3.1	3.2	3.2	3.1	3.2	3.3	3.2
4.1	4.2	2.1	2.1	3.2	4.2	4.2	2.2	2.2	2.2	4.2
4.1	4.3	3.2	3.2	3.3	4.3	4.3	3.1	4.3	3.2	4.3
4.1	4.2	3.2	3.2	2.2	4.2	4.2	2.1	4.2	2.2	4.2
4.1	4.2	3.2	3.2	3.2	4.2	4.2	2.1	4.2	2.2	4.2
4.1	4.2	2.1	2.1	3.2	4.2	4.2	2.1	4.2	2.2	4.2
4.1	4.2	3.2	3.2	2.2	4.2	4.2	2.2	2.1	2.2	4.2
2.1	4.2	4.4	4.4	4.4	4.2	4.2	4.3	4.2	4.4	4.2
2.1	3.2	3.1	3.1	3.1	3.2	3.2	4.3	3.2	4.3	3.2
4.1	4.4	4.3	4.3	4.1	4.4	4.4	4.2	4.1	4.2	4.4
2.1	2.2	3.2	3.2	3.2	2.2	2.2	4.2	3.2	4.2	2.2
2.1	4.2	5.4	5.4	4.3	4.2	4.2	4.1	4.2	5.4	4.2
4.1	4.3	3.3	3.3	3.3	4.3	4.3	3.2	4.3	3.3	4.3
3.1	4.3	4.2	4.2	4.1	4.2	4.2	4.2	4.2	4.4	4.3
3.1	3.2	4.2	4.2	2.1	3.2	3.2	2.1	3.2	4.2	3.2
4.1	4.4	4.2	4.2	4.2	4.4	4.4	4.3	4.4	4.3	4.4
4.1	5.3	3.2	3.2	3.2	5.3	5.3	3.3	5.3	3.2	5.3
1.1	4.3	4.3	4.3	5.3	4.3	4.3	4.3	3.1	3.2	4.3
2.1	3.1	2.1	2.1	4.1	3.1	2.1	1.1	1.1	2.1	4.1

3.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.1	3.2	3.1	3.2
4.1	2.1	3.2	3.2	2.1	2.1	2.2	3.2	4.2	2.2	2.1
1.1	4.1	4.2	4.2	4.2	4.1	4.1	4.3	4.4	4.3	4.1
1.1	6.1	6.4	6.4	6.5	6.1	6.1	6.3	6.2	6.6	6.1
1.1	4.1	4.1	4.1	4.1	4.3	4.1	4.1	4.3	4.2	4.3
2.1	3.2	3.2	3.2	3.1	3.2	3.2	3.3	3.1	4.3	3.2
3.1	3.2	2.1	2.1	2.2	4.2	4.2	2.2	3.2	2.2	3.2
3.1	3.2	3.2	3.2	2.2	3.2	3.2	2.2	2.2	2.2	3.2
2.1	3.2	3.1	3.1	3.1	3.2	3.2	3.1	3.2	3.3	3.2
3.1	3.3	4.3	4.3	4.3	3.3	3.3	3.2	3.3	3.2	3.3
3.1	3.2	2.1	2.1	2.1	3.2	3.2	2.1	2.1	2.2	3.2
2.1	5.1	5.3	5.3	5.1	5.2	5.1	5.2	5.2	5.4	5.1
4.1	4.2	3.2	3.2	2.1	4.2	4.2	2.2	2.2	2.2	4.2
2.1	4.2	4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.4	4.2
3.1	4.2	4.4	4.4	4.1	4.2	4.1	4.4	4.2	4.4	4.2
3.1	5.3	5.2	5.2	5.3	5.3	5.3	5.4	5.2	5.4	5.3
2.1	4.3	3.2	3.2	3.1	4.3	4.3	3.2	4.3	3.3	4.3
3.1	3.1	1.1	1.1	1.1	3.1	2.1	1.1	1.1	4.1	3.1
4.1	4.2	2.2	2.2	3.2	4.2	4.2	3.2	4.2	3.2	4.2
3.1	4.3	4.2	4.2	4.1	4.3	4.3	4.1	4.2	4.4	4.3
1.1	6.1	6.3	6.3	6.5	6.1	6.1	6.2	6.4	6.2	6.1
1.1	6.1	6.3	6.3	6.5	6.1	6.1	6.2	6.4	6.2	6.1
1.1	6.1	6.4	6.4	6.5	6.1	6.1	6.2	6.3	6.2	6.1
2.1	2.1	4.1	4.1	1.1	3.1	3.1	1.1	2.1	1.1	3.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1

1.1	2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.2	2.1
3.1	3.1	1.1	1.1	2.1	3.1	3.1	2.1	3.1	1.1	3.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	3.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	3.2	2.1
1.1	3.1	3.2	3.1	3.2	3.1	3.1	3.3	3.1	3.2	3.1
1.1	2.1	2.2	2.1	3.2	2.1	3.2	3.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.2	2.2	2.1	3.2	2.1
1.1	3.1	3.3	3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.1
3.1	4.3	4.2	4.2	4.2	4.3	4.3	4.1	4.3	4.1	4.3
3.1	3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	3.1
3.1	4.3	4.1	4.1	4.2	4.3	4.3	4.1	4.3	4.1	4.3
3.1	3.2	2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.1	3.2
1.1	3.1	3.1	3.1	3.2	3.1	3.1	4.3	5.3	4.3	3.1
1.1	4.1	4.2	4.2	4.2	4.1	4.1	4.4	4.3	4.2	4.1
3.1	3.2	3.3	3.3	3.3	3.1	3.2	3.3	3.1	4.3	3.2
2.1	3.1	3.3	3.3	3.3	3.1	3.1	4.3	3.2	4.3	3.1
1.1	2.1	3.2	2.2	4.2	2.1	4.2	4.2	2.1	2.2	2.1
2.1	2.1	3.2	2.1	4.2	2.2	4.2	4.2	2.1	2.2	2.2
1.1	2.1	4.2	2.1	3.2	2.1	4.2	3.2	2.1	2.2	2.1
4.1	4.3	3.2	3.2	3.1	4.3	4.3	3.1	4.3	3.1	4.3
1.1	5.1	5.3	5.1	5.4	5.1	5.5	5.4	5.1	5.2	5.1
1.1	3.2	2.1	2.1	2.2	3.2	3.2	2.1	3.2	2.2	3.2

1.1	3.2	2.2	2.2	2.1	3.2	3.2	2.2	3.2	2.2	3.2
3.1	3.2	4.2	4.2	2.2	3.2	3.2	2.1	3.2	2.2	3.2
2.1	3.2	3.3	3.3	3.2	3.2	3.2	3.3	3.2	3.3	3.2
4.1	3.1	4.1	4.1	1.1	3.1	2.1	1.1	3.1	2.1	3.1
4.1	3.2	2.2	2.2	4.2	3.2	3.2	2.2	3.2	2.2	3.2
1.1	3.2	3.3	3.3	3.1	3.2	3.2	3.3	3.2	3.3	3.2
3.1	3.2	2.2	2.2	3.2	3.2	2.1	2.1	3.2	2.2	3.2
2.1	3.2	3.1	3.1	4.3	3.2	3.2	4.3	3.1	4.3	3.2
2.1	2.1	3.1	3.1	1.1	2.1	1.1	1.1	2.1	4.1	2.1
3.1	4.2	4.4	4.4	4.1	4.2	4.2	4.4	4.2	4.4	4.2
3.1	4.2	3.2	3.2	2.2	4.2	4.2	3.2	4.2	2.2	4.2
2.1	3.2	3.1	3.1	3.1	3.2	3.1	3.1	3.2	4.3	3.2
4.1	3.2	3.2	3.2	3.1	4.3	4.3	3.2	3.2	3.3	4.3
3.1	2.2	2.2	2.2	2.1	3.2	2.1	2.1	2.2	4.2	3.2
3.1	3.2	2.2	2.2	4.2	3.2	2.2	2.1	2.1	2.2	2.2
2.1	2.1	2.1	2.1	2.1	4.1	2.1	1.1	1.1	3.1	4.1
1.1	2.1	3.2	3.2	3.2	2.1	2.1	2.2	2.2	2.2	2.1
1.1	1.1	4.1	4.1	2.1	1.1	2.1	3.1	1.1	3.1	1.1
1.1	3.1	3.2	3.2	3.2	3.1	3.1	3.2	3.2	3.3	3.1
4.1	4.1	2.1	2.1	3.1	4.1	4.1	1.1	3.1	1.1	4.1
2.1	4.2	4.2	4.2	4.1	4.2	4.1	4.3	4.2	4.3	4.1
2.1	4.1	4.4	4.4	4.4	4.2	4.1	4.4	4.2	4.3	4.1
2.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.3	3.2
4.1	4.2	3.2	3.2	2.1	4.2	4.2	2.2	2.2	2.2	4.2
1.1	2.1	3.2	3.2	3.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1
2.1	4.2	4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.1	4.2
2.1	4.2	4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.1	4.2

2.1	2.1	1.1	1.1	1.1	2.1	2.1	1.1	2.1	1.1	2.1
2.1	2.1	1.1	1.1	1.1	4.1	4.1	1.1	2.1	1.1	3.1
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.1	3.2	3.1	3.2
3.1	4.3	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.2	4.3
2.1	3.2	4.3	4.3	3.1	3.2	3.2	3.1	3.2	3.1	3.2
1.1	2.1	2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.1	2.1	4.2	4.2	2.1	2.2	3.2
1.1	2.1	2.2	2.2	2.1	2.1	3.2	3.2	2.1	2.2	3.2
1.1	2.1	2.2	2.2	2.1	2.1	4.2	4.2	2.1	2.2	3.2
2.1	4.2	4.3	4.3	4.1	4.2	4.2	4.1	4.2	4.1	4.2
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1
1.1	1.1	5.1	5.1	4.1	1.1	1.1	2.1	3.1	2.1	1.1
1.1	4.1	4.2	4.2	4.3	4.1	4.1	5.4	4.1	4.2	4.1
1.1	4.1	4.3	4.3	4.2	4.1	4.1	4.2	4.3	4.2	4.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1
1.1	4.1	4.1	4.1	4.2	4.1	4.1	4.3	4.1	4.3	4.1
3.1	3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	3.1
2.1	3.1	3.3	3.3	3.2	3.1	3.2	3.2	3.1	3.3	3.1
2.1	3.1	3.3	3.3	3.2	3.1	5.3	3.2	3.1	3.3	4.3
1.1	3.1	3.3	3.3	3.1	3.1	4.3	3.1	3.1	3.3	3.2
1.1	3.1	3.3	3.3	3.1	3.1	4.3	3.1	3.1	3.3	3.2
1.1	3.1	3.3	3.3	3.1	3.1	4.3	4.3	3.1	3.3	3.2
1.1	3.1	3.3	3.3	3.1	3.1	4.3	4.3	3.1	3.3	3.2
1.1	3.1	3.3	3.3	3.1	3.1	3.3	3.3	3.1	3.3	3.2
3.1	3.2	2.2	2.2	4.2	3.2	3.2	2.1	4.2	2.1	3.2
1.1	2.1	4.2	4.2	3.2	2.1	2.1	3.2	4.2	3.2	2.1
1.1	2.1	4.2	4.2	2.2	2.1	2.2	3.2	2.2	3.2	2.1

4.1	4.3	3.3	3.3	3.2	4.3	4.3	3.1	3.3	3.1	4.3
3.1	3.1	3.3	3.3	3.2	3.1	3.1	4.3	3.3	4.3	3.1
2.1	3.2	4.3	4.3	3.3	3.2	3.2	3.3	3.2	3.3	3.2
3.1	3.1	3.1	3.1	3.1	3.3	4.3	3.1	3.3	3.2	4.3
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2
2.1	3.1	3.3	3.3	3.1	3.2	3.2	3.3	3.2	3.3	3.2
2.1	3.1	3.3	3.3	3.1	3.2	3.2	3.3	3.2	3.3	3.2
2.1	4.1	4.4	4.4	4.1	4.2	4.1	4.1	4.1	4.3	4.2
2.1	3.1	3.3	3.3	3.1	3.2	3.2	3.1	3.2	3.3	3.2
3.1	3.1	2.1	2.1	1.1	3.1	3.1	2.1	3.1	2.1	3.1
3.1	3.1	1.1	1.1	1.1	3.1	1.1	1.1	3.1	2.1	3.1
3.1	4.3	4.4	4.4	4.2	4.3	4.3	4.2	4.3	4.2	4.3
2.1	4.2	4.4	4.4	4.3	4.2	4.2	4.3	4.4	4.3	4.2
2.1	4.2	4.1	4.1	4.1	4.2	4.2	4.3	4.1	4.3	4.2
2.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	3.1	2.1
4.1	4.2	3.2	3.2	2.1	4.2	2.2	2.2	2.2	2.2	4.2
4.1	4.2	2.2	2.2	2.1	4.2	4.2	2.2	4.2	3.2	4.2
2.1	3.1	1.1	1.1	1.1	2.1	3.1	1.1	1.1	4.1	2.1
2.1	4.2	5.4	4.2	4.2	4.2	4.2	4.4	4.3	4.4	4.2
2.1	3.2	3.1	3.1	3.1	3.2	3.1	3.1	3.1	4.3	3.2
4.1	4.3	3.3	3.3	3.2	3.1	3.1	3.3	4.3	3.3	4.3
3.1	3.2	2.1	2.1	2.1	3.2	2.1	2.1	2.1	4.2	3.2
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	3.2	2.1	2.1	3.2	2.1	2.2	2.1
1.1	3.1	4.3	4.3	3.3	3.1	3.1	3.2	3.1	3.2	3.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1

1.1	4.1	4.3	4.3	4.2	4.1	4.1	4.2	4.3	4.2	4.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	3.2	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1
1.1	1.1	1.1	1.1	2.1	1.1	1.1	2.1	1.1	2.1	1.1
4.1	3.2	5.2	5.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1
1.1	2.1	3.2	3.2	2.2	2.1	2.1	3.2	2.1	2.2	2.1
1.1	3.1	4.3	4.3	4.3	3.1	3.1	3.2	3.1	3.2	3.1
1.1	4.1	4.3	4.3	5.4	4.1	4.1	4.2	4.1	4.2	4.1
2.1	2.1	3.2	3.2	2.2	2.1	2.2	2.2	2.1	2.2	2.1
1.1	2.1	3.2	3.2	2.1	2.1	2.2	2.2	2.1	2.2	2.1
4.1	2.1	3.2	3.2	4.2	2.1	2.2	4.2	2.1	2.2	2.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
2.1	4.1	4.3	4.3	4.2	4.1	4.2	4.2	4.1	4.2	4.1
3.1	3.1	1.1	1.1	2.1	3.1	3.1	1.1	3.1	1.1	3.1
2.1	4.2	4.3	4.3	4.2	4.2	4.3	4.1	4.1	4.3	4.2
1.1	3.1	3.3	3.3	3.2	3.1	3.1	3.3	3.1	3.3	3.1
1.1	2.1	2.2	2.2	3.2	2.1	2.1	2.2	2.1	3.2	2.1
2.1	3.1	4.3	4.3	3.3	3.1	3.1	3.3	3.1	3.3	3.1
1.1	3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.1	3.3	3.1
1.1	1.1	1.1	1.1	2.1	1.1	1.1	3.1	1.1	3.1	1.1
1.1	3.1	3.2	3.2	3.3	3.1	3.1	3.3	3.1	3.3	3.1
2.1	3.1	3.3	3.3	3.3	3.2	3.2	3.3	3.1	3.3	3.2
1.1	3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.1

1.1	3.1	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.3	3.1
3.1	2.1	2.2	2.2	3.2	2.1	3.2	3.2	2.1	3.2	2.1
2.1	3.1	3.3	3.3	4.3	3.1	3.1	4.3	3.1	3.3	3.1
2.1	4.1	4.2	4.2	4.2	4.1	4.2	4.3	4.1	4.3	4.1
1.1	2.1	2.2	2.2	2.2	2.1	2.1	3.2	2.1	3.2	2.1
1.1	3.2	3.3	3.3	3.2	3.1	3.2	3.2	3.1	4.3	3.1
2.1	3.2	4.3	4.3	3.2	3.2	3.3	3.1	3.1	3.3	3.2
3.1	4.3	4.2	4.2	4.1	4.3	4.3	4.1	4.3	4.2	4.3
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2
2.1	3.1	3.1	3.1	3.1	3.2	3.1	3.1	3.2	3.3	3.2
3.1	3.2	2.2	2.2	2.2	3.2	3.2	2.2	3.2	2.2	3.2
2.1	2.1	2.2	2.2	2.1	2.2	2.1	3.2	2.2	3.2	2.2
2.1	3.2	2.2	2.2	3.2	3.2	2.1	2.2	3.2	2.2	3.2
3.1	3.2	2.2	2.2	2.1	3.2	3.2	2.2	3.2	2.2	3.2
1.1	4.3	4.4	4.4	4.1	4.3	4.3	4.2	4.3	4.2	4.3
2.1	3.2	5.3	5.3	4.3	3.2	3.2	4.3	3.3	4.3	3.2
4.1	4.3	3.1	3.1	3.2	3.1	3.1	3.1	4.3	3.2	3.1
2.1	4.2	4.3	4.3	4.3	4.2	4.2	4.4	4.4	4.4	4.2
4.1	4.3	4.3	4.3	3.2	4.3	4.3	3.2	4.3	3.2	4.3
4.1	4.3	3.1	3.1	3.2	4.3	4.3	3.2	4.3	3.3	4.3
2.1	4.3	4.2	4.2	4.4	4.3	4.3	4.4	4.3	4.4	4.3
2.1	2.2	3.2	3.2	4.2	2.2	2.2	4.2	3.2	2.2	2.2
3.1	3.3	3.2	3.2	3.1	3.3	3.3	3.3	3.2	3.3	3.3
2.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2
2.1	4.3	4.3	4.3	4.1	4.3	4.3	4.1	4.2	4.2	4.3
4.1	4.2	4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.2	4.2
1.1	2.1	4.2	4.2	3.2	2.1	2.1	2.1	4.2	2.1	2.1
4.1	4.4	4.2	4.2	4.1	4.4	4.4	4.4	4.2	4.4	4.4

1.1	3.1	2.1	2.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1
1.1	3.1	2.1	2.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1
1.1	4.3	3.1	3.1	3.2	4.3	3.2	3.1	3.2	3.3	4.3
2.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2
2.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2
2.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	3.2	2.2	2.2
1.1	2.1	3.2	3.2	2.2	4.2	4.2	2.1	3.2	2.2	4.2
2.1	2.2	3.2	3.2	2.1	2.2	2.2	2.2	3.2	2.2	2.2
1.1	1.1	3.1	3.1	2.1	1.1	1.1	2.1	3.1	1.1	1.1
3.1	1.1	2.1	2.1	3.1	1.1	1.1	1.1	2.1	1.1	1.1

Draft

27x18	27x19	27x7	7x2	7x3	7x4	7x6	37x2	37x3	37x4	37x6
-0.289409	-0.2995472	-0.1433802	0.00851248	-0.1982762	-0.097119	-0.1816625	-0.3268874	-0.1982778	-0.1415547	-0.4615928
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
2.2	2.2	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
2.2	2.2	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
2.2	2.2	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
2.2	2.2	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
2.2	2.2	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
2.2	2.2	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
2.2	2.2	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
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2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
4.3	4.3	4.4	4.1	4.4	4.4	4.4	1.1	4.1	4.1	4.1
1.1	1.1	1.1	3.1	1.1	1.1	2.1	3.1	1.1	1.1	2.1
3.3	3.3	3.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
3.3	3.3	3.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
3.3	3.3	3.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
3.3	3.3	3.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
3.1	3.1	1.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
3.2	3.2	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3.3	3.3	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1
3.3	3.3	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1

3.3	3.3	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1
3.3	3.3	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1
3.1	3.1	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1
2.2	2.2	2.1	4.1	3.1	3.1	1.1	4.1	3.1	3.1	1.1
4.3	4.3	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
4.1	4.1	3.1	3.3	3.2	3.2	3.3	3.1	2.1	2.1	3.1
3.3	3.3	3.2	4.2	2.2	2.2	2.2	4.1	2.1	2.1	2.1
4.4	4.4	4.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	2.1
4.1	4.1	4.4	4.2	4.3	4.3	4.1	2.1	3.1	3.1	1.1
1.1	1.1	1.1	2.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1
3.1	3.1	3.3	3.2	3.3	3.3	3.1	2.1	3.1	3.1	1.1
2.2	2.2	2.2	2.1	2.1	2.1	2.2	1.1	1.1	1.1	2.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
1.1	1.1	1.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1	1.1
3.1	3.1	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
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1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
4.1	4.1	4.4	4.2	4.3	4.3	4.1	2.1	3.1	3.1	1.1
3.1	3.1	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
2.2	2.2	4.2	4.1	5.4	5.4	4.2	1.1	5.1	5.1	2.1
1.1	1.1	1.1	3.1	2.1	2.1	1.1	3.1	2.1	2.1	1.1
3.3	3.3	3.3	3.1	3.2	3.2	3.3	1.1	2.1	2.1	3.1
3.3	3.3	3.3	3.1	4.3	4.3	3.3	1.1	4.1	4.1	3.1

3.2	3.2	2.2	2.1	4.2	4.2	3.2	1.1	4.1	4.1	3.1
3.3	3.3	3.3	3.1	4.3	4.3	3.2	1.1	4.1	4.1	2.1
2.1	2.1	2.2	3.2	4.2	4.2	2.1	3.1	4.1	4.1	1.1
1.1	1.1	1.1	3.1	2.1	2.1	1.1	3.1	2.1	2.1	1.1
1.1	1.1	1.1	3.1	2.1	2.1	1.1	3.1	2.1	2.1	1.1
3.2	3.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
4.1	4.1	4.4	4.3	4.1	4.1	4.2	3.1	1.1	1.1	2.1
1.1	1.1	1.1	3.1	1.1	1.1	2.1	3.1	1.1	1.1	2.1
2.1	2.1	2.2	3.2	4.2	4.2	2.1	3.1	4.1	4.1	1.1
1.1	1.1	1.1	3.1	2.1	2.1	1.1	3.1	2.1	2.1	1.1
2.1	2.1	2.2	4.2	3.2	3.2	2.2	4.1	3.1	3.1	2.1
2.1	2.1	2.2	4.2	2.1	2.1	3.2	4.1	1.1	1.1	3.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
2.2	2.2	2.2	3.2	2.2	2.2	4.2	3.1	2.1	2.1	4.1
3.3	3.3	3.3	3.2	3.3	3.3	3.3	2.1	3.1	3.1	3.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
2.2	2.2	2.2	3.2	2.2	2.2	4.2	3.1	2.1	2.1	4.1
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4.2	4.2	4.4	4.3	4.2	4.2	4.1	3.1	2.1	2.1	1.1
3.1	3.1	3.3	3.2	3.1	3.1	3.1	2.1	1.1	1.1	1.1
3.3	3.3	3.3	3.2	4.3	4.3	3.3	2.1	4.1	4.1	3.1
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4.2	4.2	4.4	4.3	4.2	4.2	4.1	3.1	2.1	2.1	1.1
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4.2	4.2	4.4	4.3	4.2	4.2	4.1	3.1	2.1	2.1	1.1
2.2	2.2	2.2	3.2	2.1	2.1	2.1	3.1	1.1	1.1	1.1

3.1	3.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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2.2	2.2	2.2	3.2	2.2	2.2	2.1	3.1	2.1	2.1	1.1
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4.3	4.3	4.4	4.2	4.3	4.3	4.3	2.1	3.1	3.1	3.1
4.4	4.4	4.4	4.2	4.3	4.3	4.1	2.1	3.1	3.1	1.1
3.2	3.2	3.3	4.3	3.1	3.1	3.1	4.1	1.1	1.1	1.1
2.2	2.2	2.2	4.2	3.2	3.2	2.1	4.1	3.1	3.1	1.1
3.3	3.3	3.3	4.3	3.2	3.2	3.1	4.1	2.1	2.1	1.1
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3.2	3.2	2.2	4.2	2.1	2.1	2.1	4.1	1.1	1.1	1.1
4.2	4.2	2.2	3.2	4.2	4.2	4.2	3.1	4.1	4.1	4.1
1.1	1.1	3.1	3.2	4.3	4.3	3.3	2.1	4.1	4.1	3.1
3.2	3.2	3.1	1.1	3.1	3.1	3.1	1.1	3.1	3.1	3.1
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4.2	4.2	4.1	1.1	3.1	3.1	2.1	1.1	3.1	3.1	2.1
3.2	3.2	3.1	1.1	4.1	4.1	2.1	1.1	4.1	4.1	2.1
2.2	2.2	2.1	1.1	3.1	3.1	2.1	1.1	3.1	3.1	2.1
2.2	2.2	2.1	1.1	3.1	3.1	4.1	1.1	3.1	3.1	4.1
2.2	2.2	4.2	4.1	5.4	5.4	4.2	1.1	5.1	5.1	2.1
3.2	3.2	3.1	1.1	3.1	3.1	4.1	1.1	3.1	3.1	4.1
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3.3	3.3	3.3	3.1	3.2	3.2	3.3	1.1	2.1	2.1	3.1
3.3	3.3	3.2	2.1	4.2	4.2	3.2	1.1	4.1	4.1	3.1
4.2	4.2	2.1	1.1	3.1	3.1	4.1	1.1	3.1	3.1	4.1
4.3	4.3	3.1	1.1	2.1	2.1	4.1	1.1	2.1	2.1	4.1
4.3	4.3	4.3	4.1	4.3	4.3	4.2	1.1	3.1	3.1	2.1

4.3	4.3	3.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1
4.3	4.3	4.3	4.1	4.4	4.4	4.2	1.1	4.1	4.1	2.1
4.3	4.3	3.1	1.1	1.1	1.1	4.1	1.1	1.1	1.1	4.1
4.2	4.2	2.1	1.1	3.1	3.1	4.1	1.1	3.1	3.1	4.1
5.2	5.2	2.1	4.1	5.1	5.1	3.1	4.1	5.1	5.1	3.1
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2.2	2.2	3.2	4.3	3.3	3.3	3.1	4.1	3.1	3.1	1.1
4.3	4.3	3.2	2.2	3.2	3.2	3.2	2.1	3.1	3.1	3.1
3.2	3.2	2.1	4.1	2.1	2.1	2.1	4.1	2.1	2.1	2.1
2.1	2.1	1.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
1.1	1.1	1.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1	1.1
3.2	3.2	3.3	3.1	4.3	4.3	4.3	1.1	4.1	4.1	4.1
3.2	3.2	3.3	3.1	3.3	3.3	3.2	1.1	3.1	3.1	2.1
2.1	2.1	1.1	1.1	4.1	4.1	3.1	1.1	4.1	4.1	3.1
1.1	1.1	1.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1	1.1
4.2	4.2	4.4	4.1	4.3	4.3	4.3	1.1	3.1	3.1	3.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
5.2	5.3	5.4	4.1	4.3	4.3	4.3	1.1	3.1	3.1	3.1
4.3	4.3	4.4	4.1	4.2	4.2	4.2	1.1	2.1	2.1	2.1
4.3	4.3	4.4	4.1	4.2	4.1	4.2	1.1	2.1	1.1	2.1
5.3	5.3	5.5	5.1	5.4	5.4	5.2	1.1	4.1	4.1	2.1
3.2	3.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
3.2	3.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
3.2	3.2	2.2	2.1	2.2	2.2	3.2	1.1	2.1	2.1	3.1
4.3	4.3	3.3	3.1	3.2	3.2	3.2	1.1	2.1	2.1	2.1
2.1	2.1	2.2	4.2	2.2	2.2	2.1	4.1	2.1	2.1	1.1
4.3	4.3	3.3	3.1	3.3	3.3	4.3	1.1	3.1	3.1	4.1
4.2	4.2	2.2	2.1	4.2	4.2	2.2	1.1	4.1	4.1	2.1

4.4	4.4	4.4	4.1	4.4	4.4	4.2	1.1	4.1	4.1	2.1
4.2	4.2	2.2	2.1	3.2	3.2	4.2	1.1	3.1	3.1	4.1
3.1	3.1	3.3	3.2	3.1	3.1	3.1	2.1	1.1	1.1	1.1
3.3	3.3	3.3	3.2	3.2	3.2	3.1	2.1	2.1	2.1	1.1
4.3	4.3	4.4	4.2	4.3	4.3	4.1	2.1	3.1	3.1	1.1
3.3	3.3	3.3	3.2	4.3	4.3	3.3	2.1	4.1	4.1	3.1
3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1	3.1	3.1	3.1
3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1	3.1	3.1	3.1
3.3	3.3	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
4.2	4.2	4.4	4.3	4.2	4.2	4.2	3.1	2.1	2.1	2.1
4.3	4.3	4.4	4.2	4.4	4.4	4.4	2.1	4.1	4.1	4.1
4.3	4.3	3.3	3.2	4.3	4.3	4.3	2.1	4.1	4.1	4.1
4.1	4.1	1.1	3.1	1.1	1.1	3.1	3.1	1.1	1.1	3.1
3.2	3.2	3.3	4.3	3.2	3.2	3.2	4.1	2.1	2.1	2.1
4.4	4.4	4.4	4.2	4.3	4.3	4.1	2.1	3.1	3.1	1.1
3.2	3.2	3.3	4.3	3.2	3.2	3.2	4.1	2.1	2.1	2.1
2.2	2.2	2.2	4.2	3.2	3.2	2.2	4.1	3.1	3.1	2.1
3.2	3.2	2.2	4.2	4.2	4.2	2.1	4.1	4.1	4.1	1.1
3.3	3.3	3.3	4.3	3.2	3.2	3.1	4.1	2.1	2.1	1.1
4.1	4.1	1.1	3.1	2.1	2.1	1.1	3.1	2.1	2.1	1.1
3.1	3.1	1.1	4.1	2.1	2.1	2.1	4.1	2.1	2.1	2.1
4.4	4.4	4.4	4.3	4.2	4.2	4.1	3.1	2.1	2.1	1.1
3.2	3.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1
4.4	4.4	4.4	4.3	4.2	4.2	4.2	3.1	2.1	2.1	2.1
4.4	4.4	4.4	4.3	4.2	4.2	4.4	3.1	2.1	2.1	4.1
4.1	4.1	1.1	3.1	2.1	2.1	2.1	3.1	2.1	2.1	2.1
1.1	1.1	1.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1	1.1
4.2	4.2	4.3	3.1	3.1	3.1	3.2	1.1	1.1	1.1	2.1

3.2	3.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
3.3	3.3	3.3	3.1	3.2	3.2	3.3	1.1	2.1	2.1	3.1
4.4	4.4	4.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
4.4	4.4	4.4	4.1	4.3	4.3	4.4	1.1	3.1	3.1	4.1
5.5	5.5	5.5	5.1	5.4	5.4	5.2	1.1	4.1	4.1	2.1
4.3	4.3	4.4	4.2	4.4	4.4	4.3	2.1	4.1	4.1	3.1
2.2	2.2	2.2	3.2	4.2	4.2	2.1	3.1	4.1	4.1	1.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
4.3	4.3	4.4	4.2	4.2	4.2	4.3	2.1	2.1	2.1	3.1
4.3	4.3	3.3	3.2	3.3	3.3	3.3	2.1	3.1	3.1	3.1
4.3	4.3	3.3	3.2	3.3	3.3	3.3	2.1	3.1	3.1	3.1
4.4	4.4	4.4	4.2	4.4	4.4	4.3	2.1	4.1	4.1	3.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	4.2	4.2	2.2	1.1	4.1	4.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
3.3	3.3	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1
3.3	3.3	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1
3.3	3.3	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1
3.3	3.3	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1
4.2	4.2	2.2	3.2	3.2	3.2	2.2	3.1	3.1	3.1	2.1
4.2	4.2	2.2	2.1	2.2	2.2	4.2	1.1	2.1	2.1	4.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
4.2	4.2	4.4	4.3	4.1	4.1	4.1	3.1	1.1	1.1	1.1
3.1	3.1	3.3	3.2	3.1	3.1	3.1	2.1	1.1	1.1	1.1
3.1	3.1	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1

2.2	2.2	2.2	2.1	4.2	4.2	2.2	1.1	4.1	4.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	3.2	1.1	2.1	2.1	3.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
1.1	1.1	1.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1	1.1
1.1	1.1	1.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1	1.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
2.1	2.1	2.2	3.2	4.2	4.2	2.1	3.1	4.1	4.1	1.1
3.3	3.3	3.3	3.1	4.3	4.3	3.3	1.1	4.1	4.1	3.1
3.3	3.3	3.1	4.1	2.1	2.1	4.1	4.1	2.1	2.1	4.1
3.3	3.3	3.1	1.1	4.1	4.1	1.1	1.1	4.1	4.1	1.1
4.3	4.3	3.3	3.1	3.2	3.2	3.2	1.1	2.1	2.1	2.1
4.3	4.3	3.3	3.1	3.2	3.2	3.2	1.1	2.1	2.1	2.1
3.3	3.3	3.3	3.1	3.2	3.2	3.2	1.1	2.1	2.1	2.1
3.3	3.3	3.3	3.1	4.3	4.3	3.2	1.1	4.1	4.1	2.1
4.3	4.3	4.4	4.1	4.4	4.4	4.2	1.1	4.1	4.1	2.1
4.3	4.3	4.4	4.1	4.3	4.3	4.2	1.1	3.1	3.1	2.1
3.2	3.2	2.2	4.2	2.2	2.2	2.2	4.1	2.1	2.1	2.1
3.3	3.3	3.3	3.1	3.2	3.2	3.2	1.1	2.1	2.1	2.1
4.3	4.3	4.4	4.1	4.3	4.3	4.2	1.1	3.1	3.1	2.1
4.4	4.4	4.4	4.1	4.3	4.3	4.2	1.1	3.1	3.1	2.1
4.4	4.4	4.1	1.1	1.1	3.1	2.1	1.1	1.1	3.1	2.1
4.2	4.2	4.4	4.1	4.3	4.3	4.2	1.1	3.1	3.1	2.1
4.3	4.3	3.3	3.1	3.2	3.2	3.2	1.1	2.1	2.1	2.1
3.1	3.1	3.3	4.3	3.2	3.2	3.3	4.1	2.1	2.1	3.1
4.1	4.1	1.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
4.2	4.2	2.2	2.1	2.2	2.2	4.2	1.1	2.1	2.1	4.1

2.2	2.2	2.2	3.2	2.1	2.1	2.2	3.1	1.1	1.1	2.1
4.2	4.2	2.2	3.2	2.1	2.1	2.1	3.1	1.1	1.1	1.1
4.3	4.3	4.4	4.2	4.3	4.3	4.3	2.1	3.1	3.1	3.1
3.3	3.3	3.2	2.2	3.2	3.2	2.2	2.1	3.1	3.1	2.1
3.3	3.3	4.3	4.2	4.3	4.3	4.2	2.1	3.1	3.1	2.1
3.3	3.3	3.2	2.2	3.2	3.2	2.2	2.1	3.1	3.1	2.1
3.3	3.3	3.3	3.2	3.3	3.3	3.2	2.1	3.1	3.1	2.1
3.1	3.1	1.1	2.1	4.1	4.1	1.1	2.1	4.1	4.1	1.1
2.2	2.2	2.2	3.2	4.2	4.2	2.2	3.1	4.1	4.1	2.1
3.1	3.1	1.1	2.1	4.1	4.1	1.1	2.1	4.1	4.1	1.1
4.2	4.2	4.4	4.3	4.2	4.2	4.2	3.1	2.1	2.1	2.1
4.2	4.2	4.4	4.3	4.2	4.2	4.2	3.1	2.1	2.1	2.1
2.2	2.2	2.2	3.2	2.1	2.1	2.2	3.1	1.1	1.1	2.1
2.2	2.2	2.2	3.2	2.1	2.1	2.2	3.1	1.1	1.1	2.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
3.2	3.2	3.3	4.3	4.3	4.3	3.3	4.1	4.1	4.1	3.1
4.4	4.4	4.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1	1.1
2.2	2.2	3.2	4.3	3.2	3.2	3.3	4.1	2.1	2.1	3.1
3.2	3.2	3.3	4.3	3.1	3.1	3.3	4.1	1.1	1.1	3.1
2.2	2.2	2.2	4.2	3.2	3.2	3.2	4.1	3.1	3.1	3.1
2.2	2.2	2.2	4.2	3.2	3.2	2.2	4.1	3.1	3.1	2.1
3.2	3.2	3.3	4.3	3.2	3.2	3.3	4.1	2.1	2.1	3.1
2.1	2.1	1.1	4.1	3.1	3.1	1.1	4.1	3.1	3.1	1.1
4.3	4.3	3.3	3.2	3.2	3.2	4.3	2.1	2.1	2.1	4.1
4.2	4.2	4.4	4.3	4.2	4.2	4.1	3.1	2.1	2.1	1.1
3.2	3.2	2.2	4.2	2.1	2.1	2.2	4.1	1.1	1.1	2.1
3.2	3.2	2.2	4.2	3.2	3.2	2.1	4.1	3.1	3.1	1.1
4.4	4.4	4.4	4.3	4.1	4.1	4.2	3.1	1.1	1.1	2.1

4.2	4.2	2.2	5.2	2.2	2.2	3.2	5.1	2.1	2.1	3.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	4.2	4.2	2.2	1.1	4.1	4.1	2.1
5.2	5.2	5.5	5.1	6.5	6.5	5.4	1.1	6.1	6.1	4.1
3.2	3.2	3.3	3.1	3.2	3.2	3.1	1.1	2.1	2.1	1.1
1.1	1.1	1.1	3.1	2.1	2.1	1.1	3.1	2.1	2.1	1.1
3.2	3.2	2.2	2.1	2.2	2.2	3.2	1.1	2.1	2.1	3.1
3.1	3.1	1.1	1.1	4.1	4.1	2.1	1.1	4.1	4.1	2.1
3.2	3.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
3.2	3.2	2.2	2.1	2.1	2.1	4.2	1.1	1.1	1.1	4.1
3.2	3.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
4.3	4.3	3.3	3.1	3.2	3.2	4.3	1.1	2.1	2.1	4.1
4.3	4.3	3.3	3.1	3.2	3.2	4.3	1.1	2.1	2.1	4.1
4.3	4.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1	3.1	2.1
3.3	3.3	4.3	4.2	4.4	4.4	4.4	2.1	4.1	4.1	4.1
4.3	4.3	4.4	4.2	4.3	4.3	4.3	2.1	3.1	3.1	3.1
2.1	2.1	1.1	3.1	1.1	1.1	1.1	3.1	1.1	1.1	1.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
2.2	2.2	2.2	3.2	2.2	2.2	5.2	3.1	2.1	2.1	5.1
4.3	4.3	3.3	3.2	3.3	3.3	3.3	2.1	3.1	3.1	3.1
2.2	2.2	2.2	4.2	2.2	2.2	2.1	4.1	2.1	2.1	1.1
3.3	3.3	3.3	4.3	3.3	3.3	3.2	4.1	3.1	3.1	2.1
1.1	1.1	1.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1	1.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
2.2	2.2	2.1	1.1	4.1	4.1	2.1	1.1	4.1	4.1	2.1

2.2	2.2	3.2	3.1	4.3	4.3	3.2	1.1	4.1	4.1	2.1
2.2	2.2	3.2	3.1	4.3	4.3	3.2	1.1	4.1	4.1	2.1
3.1	3.1	3.3	3.2	3.1	3.1	3.3	2.1	1.1	1.1	3.1
1.1	1.1	1.1	3.1	1.1	1.1	2.1	3.1	1.1	1.1	2.1
3.3	3.3	3.1	1.1	2.1	2.1	3.1	1.1	2.1	2.1	3.1
4.3	4.3	4.1	1.1	3.1	3.1	4.1	1.1	3.1	3.1	4.1
3.3	3.3	3.1	1.1	4.1	4.1	2.1	1.1	4.1	4.1	2.1
3.2	3.2	2.2	2.1	4.2	4.2	4.2	1.1	4.1	4.1	4.1
4.4	4.4	4.4	4.1	4.3	4.3	4.2	1.1	3.1	3.1	2.1
4.3	4.3	3.3	3.1	5.3	5.3	3.2	1.1	5.1	5.1	2.1
3.1	1.1	1.1	4.1	3.1	3.1	2.1	4.1	3.1	3.1	2.1
3.3	3.3	3.2	2.2	2.1	2.1	2.1	2.1	1.1	1.1	1.1
2.2	2.2	3.2	3.3	4.3	4.3	3.2	3.1	4.1	4.1	2.1
2.2	2.2	2.1	3.1	4.1	4.1	1.1	3.1	4.1	4.1	1.1
2.2	2.2	2.2	3.2	4.2	4.2	2.1	3.1	4.1	4.1	1.1
4.2	4.2	4.4	4.3	4.3	4.3	4.1	3.1	3.1	3.1	1.1
3.1	3.1	4.1	4.2	4.1	4.1	4.1	2.1	1.1	1.1	1.1
3.1	3.1	4.1	4.2	4.1	4.1	4.1	2.1	1.1	1.1	1.1
3.2	3.2	3.3	4.3	3.2	3.2	3.2	4.1	2.1	2.1	2.1
2.2	2.2	4.2	4.4	4.3	4.3	4.1	4.1	3.1	3.1	1.1
4.4	4.4	4.2	2.2	3.2	3.2	2.1	2.1	3.1	3.1	1.1
4.3	4.3	3.3	3.2	3.2	3.2	4.3	2.1	2.1	2.1	4.1
2.2	2.2	2.2	4.2	3.2	3.2	2.2	4.1	3.1	3.1	2.1
4.1	4.1	1.1	2.1	1.1	1.1	5.1	2.1	1.1	1.1	5.1
3.3	3.3	3.3	4.3	3.2	3.2	3.3	4.1	2.1	2.1	3.1
3.1	3.1	1.1	4.1	2.1	2.1	4.1	4.1	2.1	2.1	4.1
4.4	4.4	4.1	3.1	2.1	2.1	2.1	3.1	2.1	2.1	2.1
4.2	4.2	2.2	3.2	4.2	4.2	2.1	3.1	4.1	4.1	1.1

4.4	4.4	4.4	4.3	4.2	4.2	4.2	3.1	2.1	2.1	2.1
3.2	3.2	3.3	4.3	4.3	4.3	3.1	4.1	4.1	4.1	1.1
3.1	3.1	3.3	3.2	3.3	3.3	3.1	2.1	3.1	3.1	1.1
3.1	3.1	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
3.1	3.1	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
2.2	2.2	3.2	3.1	3.3	3.3	3.2	1.1	3.1	3.1	2.1
3.2	3.2	3.3	3.1	3.3	3.3	3.2	1.1	3.1	3.1	2.1
3.3	3.3	3.2	2.1	2.2	2.2	2.1	1.1	2.1	2.1	1.1
3.2	3.2	4.2	4.1	4.4	4.4	4.2	1.1	4.1	4.1	2.1
3.3	3.3	3.3	3.1	4.3	4.3	3.2	1.1	4.1	4.1	2.1
3.3	3.3	3.2	2.1	3.2	3.2	3.2	1.1	3.1	3.1	3.1
1.1	1.1	1.1	4.1	3.1	3.1	2.1	4.1	3.1	3.1	2.1
3.1	3.1	3.3	4.3	3.2	3.2	3.1	4.1	2.1	2.1	1.1
4.4	4.4	4.2	2.1	3.2	3.2	3.2	1.1	3.1	3.1	3.1
4.4	4.4	4.1	1.1	1.1	1.1	3.1	1.1	1.1	1.1	3.1
4.4	4.4	4.4	4.1	4.4	4.4	4.2	1.1	4.1	4.1	2.1
2.1	2.1	1.1	3.1	4.1	4.1	2.1	3.1	4.1	4.1	2.1
2.1	2.1	1.1	3.1	1.1	1.1	1.1	3.1	1.1	1.1	1.1
4.2	4.2	4.4	4.3	4.1	4.1	4.1	3.1	1.1	1.1	1.1
4.3	4.3	4.4	4.2	4.1	4.1	4.1	2.1	1.1	1.1	1.1
2.1	2.1	1.1	3.1	4.1	4.1	1.1	3.1	4.1	4.1	1.1
2.2	2.2	3.2	3.3	3.1	3.1	3.3	3.1	1.1	1.1	3.1
3.3	3.3	3.2	2.2	2.1	2.1	2.2	2.1	1.1	1.1	2.1
3.3	3.3	3.3	3.2	4.3	4.3	3.3	2.1	4.1	4.1	3.1
3.3	3.3	5.3	5.2	5.3	5.3	5.1	2.1	3.1	3.1	1.1
3.2	3.2	3.3	4.3	3.3	3.3	3.1	4.1	3.1	3.1	1.1
3.2	3.2	3.3	4.3	3.1	3.1	3.2	4.1	1.1	1.1	2.1

2.1	2.1	1.1	4.1	1.1	1.1	1.1	4.1	1.1	1.1	1.1
4.2	4.2	2.2	2.2	3.2	3.2	2.1	2.1	3.1	3.1	1.1
3.2	3.2	2.2	4.2	2.1	2.1	2.1	4.1	1.1	1.1	1.1
2.1	2.1	1.1	4.1	3.1	3.1	2.1	4.1	3.1	3.1	2.1
3.2	3.2	3.3	4.3	3.2	3.2	3.2	4.1	2.1	2.1	2.1
4.4	4.4	4.2	2.1	2.1	2.1	2.1	1.1	1.1	1.1	1.1
3.3	3.3	3.3	4.3	3.2	3.2	3.2	4.1	2.1	2.1	2.1
3.2	3.2	2.2	4.2	2.1	2.1	3.2	4.1	1.1	1.1	3.1
4.1	4.1	1.1	3.1	2.1	2.1	1.1	3.1	2.1	2.1	1.1
3.2	3.2	2.1	4.1	2.1	2.1	3.1	4.1	2.1	2.1	3.1
4.4	4.4	4.4	4.3	4.2	4.2	4.2	3.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
3.2	3.2	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
1.1	1.1	1.1	2.1	3.1	3.1	1.1	2.1	3.1	3.1	1.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
4.3	4.3	4.4	4.1	4.3	4.3	4.2	1.1	3.1	3.1	2.1
3.3	3.3	3.3	3.1	4.3	4.3	3.2	1.1	4.1	4.1	2.1
3.2	3.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
4.3	4.3	4.4	4.1	4.2	4.2	4.2	1.1	2.1	2.1	2.1
4.3	4.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1	3.1	2.1
5.4	5.4	4.4	4.1	4.3	4.3	5.4	1.1	3.1	3.1	5.1
4.2	4.2	4.1	3.1	2.1	4.1	2.1	3.1	2.1	4.1	2.1
2.2	2.2	2.1	3.1	2.1	2.1	2.1	3.1	2.1	2.1	2.1

4.2	4.2	4.4	4.3	4.2	4.2	4.1	3.1	2.1	2.1	1.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
3.3	3.3	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
4.3	4.3	4.4	4.2	4.3	4.3	4.3	2.1	3.1	3.1	3.1
3.3	3.3	3.3	3.2	4.3	4.3	4.3	2.1	4.1	4.1	4.1
4.3	4.3	4.4	4.2	4.3	4.3	4.3	2.1	3.1	3.1	3.1
2.2	2.2	2.2	3.2	2.1	2.1	2.1	3.1	1.1	1.1	1.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
3.2	3.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	1.1
3.3	3.3	3.3	3.2	3.1	3.1	3.1	2.1	1.1	1.1	1.1
2.2	2.2	2.2	4.2	2.1	2.1	3.2	4.1	1.1	1.1	3.1
3.2	3.2	3.1	4.1	2.1	2.1	3.1	4.1	2.1	2.1	3.1
2.2	2.2	2.1	4.1	3.1	3.1	2.1	4.1	3.1	3.1	2.1
2.2	2.2	2.1	4.1	3.1	3.1	3.1	4.1	3.1	3.1	3.1
2.2	2.2	2.1	4.1	1.1	1.1	3.1	4.1	1.1	1.1	3.1
2.2	2.2	2.2	4.2	3.2	3.2	2.2	4.1	3.1	3.1	2.1
4.4	4.4	4.4	4.2	4.4	4.4	4.4	2.1	4.1	4.1	4.1
4.3	4.3	3.3	3.2	3.1	3.1	3.1	2.1	1.1	1.1	1.1
4.2	4.2	4.4	4.4	4.3	4.3	4.1	4.1	3.1	3.1	1.1
4.2	4.2	2.2	2.2	3.2	3.2	3.2	2.1	3.1	3.1	3.1
5.4	5.4	4.1	2.1	5.1	5.1	3.1	2.1	5.1	5.1	3.1
3.3	3.3	3.2	4.2	3.2	3.2	3.2	4.1	3.1	3.1	3.1
4.4	4.4	4.4	4.3	4.2	4.2	4.1	3.1	2.1	2.1	1.1
4.2	4.2	2.2	3.2	4.2	4.2	2.1	3.1	4.1	4.1	1.1
4.3	4.3	4.4	4.4	4.2	4.2	4.2	4.1	2.1	2.1	2.1
3.2	3.2	3.3	5.3	3.2	3.2	3.2	5.1	2.1	2.1	2.1
3.2	3.2	3.3	4.3	4.3	4.3	5.3	4.1	4.1	4.1	5.1
2.1	2.1	1.1	3.1	2.1	2.1	4.1	3.1	2.1	2.1	4.1

2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
3.1	3.1	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
2.2	2.2	2.2	2.1	3.2	3.2	2.1	1.1	3.1	3.1	1.1
4.3	4.3	4.4	4.1	4.2	4.2	4.2	1.1	2.1	2.1	2.1
6.6	6.6	6.3	3.1	4.3	4.3	5.3	1.1	4.1	4.1	5.1
4.2	4.2	4.4	4.1	4.1	4.1	4.1	1.1	1.1	1.1	1.1
4.3	4.3	3.3	3.2	3.2	3.2	3.1	2.1	2.1	2.1	1.1
2.2	2.2	3.2	3.3	3.1	3.1	3.2	3.1	1.1	1.1	2.1
2.2	2.2	3.2	3.3	3.3	3.3	3.2	3.1	3.1	3.1	2.1
3.3	3.3	3.2	2.2	2.1	2.1	2.1	2.1	1.1	1.1	1.1
3.2	3.2	3.3	3.3	4.3	4.3	4.3	3.1	4.1	4.1	4.1
2.2	2.2	3.2	3.3	3.1	3.1	3.1	3.1	1.1	1.1	1.1
5.4	5.4	5.2	2.1	3.2	3.2	2.1	1.1	3.1	3.1	1.1
2.2	2.2	2.2	4.2	3.2	3.2	2.1	4.1	3.1	3.1	1.1
4.4	4.4	4.2	2.2	3.2	3.2	2.1	2.1	3.1	3.1	1.1
4.4	4.4	4.4	4.2	4.4	4.4	4.1	2.1	4.1	4.1	1.1
5.4	5.4	5.3	3.3	3.2	3.2	3.3	3.1	2.1	2.1	3.1
3.3	3.3	4.3	4.4	4.2	4.2	4.1	4.1	2.1	2.1	1.1
4.1	4.1	3.1	3.3	3.1	3.1	3.1	3.1	1.1	1.1	1.1
3.2	3.2	4.2	4.4	4.2	4.2	4.3	4.1	2.1	2.1	3.1
4.4	4.4	4.3	3.3	3.2	3.2	3.1	3.1	2.1	2.1	1.1
6.2	6.2	6.6	6.1	6.3	6.3	6.5	1.1	3.1	3.1	5.1
6.2	6.2	6.6	6.1	6.3	6.3	6.5	1.1	3.1	3.1	5.1
6.2	6.2	6.6	6.1	6.4	6.4	6.5	1.1	4.1	4.1	5.1
1.1	1.1	3.1	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1

2.2	2.2	2.2	2.1	2.2	2.1	2.2	1.1	2.1	1.1	2.1
2.2	2.2	2.2	2.1	2.2	2.1	2.2	1.1	2.1	1.1	2.1
2.2	2.2	2.2	2.1	2.2	2.1	2.2	1.1	2.1	1.1	2.1
2.2	2.2	2.2	2.1	2.2	2.1	2.2	1.1	2.1	1.1	2.1
2.2	2.2	2.2	2.1	2.2	2.1	2.2	1.1	2.1	1.1	2.1
2.2	2.2	2.2	2.1	2.2	2.1	2.2	1.1	2.1	1.1	2.1
2.2	2.2	2.2	2.1	2.2	2.1	2.2	1.1	2.1	1.1	2.1
1.1	1.1	1.1	3.1	1.1	1.1	2.1	3.1	1.1	1.1	2.1
3.2	3.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
3.2	3.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
3.2	3.2	3.3	3.1	3.2	3.1	3.2	1.1	2.1	1.1	2.1
2.2	3.2	3.2	3.1	3.2	3.1	3.3	1.1	2.1	1.1	3.1
3.2	3.2	2.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1
3.3	3.3	3.3	3.1	3.3	3.3	3.2	1.1	3.1	3.1	2.1
4.1	4.1	4.4	4.3	4.2	4.2	4.2	3.1	2.1	2.1	2.1
1.1	1.1	1.1	3.1	1.1	1.1	2.1	3.1	1.1	1.1	2.1
4.1	4.1	4.4	4.3	4.1	4.1	4.2	3.1	1.1	1.1	2.1
2.1	2.1	2.2	3.2	2.1	2.1	2.2	3.1	1.1	1.1	2.1
4.3	4.3	3.3	3.1	3.1	3.1	3.2	1.1	1.1	1.1	2.1
4.2	4.2	4.4	4.1	4.2	4.2	4.2	1.1	2.1	2.1	2.1
4.3	4.3	3.3	3.2	3.3	3.3	3.3	2.1	3.1	3.1	3.1
4.3	4.3	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1
2.2	4.2	4.2	4.1	4.3	4.2	4.4	1.1	3.1	2.1	4.1
2.2	4.2	4.2	4.1	4.3	4.1	4.4	1.1	3.1	1.1	4.1
2.2	4.2	3.2	3.1	4.3	3.1	3.3	1.1	4.1	1.1	3.1
3.1	3.1	3.3	4.3	3.2	3.2	3.1	4.1	2.1	2.1	1.1
5.2	5.5	5.4	4.1	4.3	4.1	4.4	1.1	3.1	1.1	4.1
2.2	2.2	2.2	3.2	2.1	2.1	2.2	3.1	1.1	1.1	2.1

2.2	2.2	2.2	3.2	2.2	2.2	2.1	3.1	2.1	2.1	1.1
2.2	2.2	3.2	3.3	4.3	4.3	3.2	3.1	4.1	4.1	2.1
3.3	3.3	3.2	2.2	3.2	3.2	2.2	2.1	3.1	3.1	2.1
2.1	2.1	1.1	3.1	4.1	4.1	1.1	3.1	4.1	4.1	1.1
2.2	2.2	2.2	3.2	2.2	2.2	4.2	3.1	2.1	2.1	4.1
3.3	3.3	3.3	3.2	3.3	3.3	3.1	2.1	3.1	3.1	1.1
2.2	2.2	2.2	3.2	2.2	2.2	3.2	3.1	2.1	2.1	3.1
4.3	4.3	3.3	3.2	3.1	3.1	4.3	2.1	1.1	1.1	4.1
4.1	4.1	2.1	2.2	3.2	3.2	2.1	2.1	3.1	3.1	1.1
4.4	4.4	4.4	4.2	4.4	4.4	4.1	2.1	4.1	4.1	1.1
2.2	2.2	2.2	4.2	3.2	3.2	2.2	4.1	3.1	3.1	2.1
4.3	4.3	3.3	3.2	3.1	3.1	3.1	2.1	1.1	1.1	1.1
3.3	3.3	3.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	1.1
4.2	4.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	1.1
2.2	2.2	4.2	4.3	4.2	4.2	4.4	3.1	2.1	2.1	4.1
3.1	2.1	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.2	2.2	2.1	1.1	3.1	3.1	3.1	1.1	3.1	3.1	3.1
3.1	3.1	1.1	1.1	4.1	4.1	2.1	1.1	4.1	4.1	2.1
3.3	3.3	3.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1
1.1	1.1	1.1	4.1	2.1	2.1	3.1	4.1	2.1	2.1	3.1
4.3	4.3	4.4	4.2	4.2	4.2	4.1	2.1	2.1	2.1	1.1
4.3	4.3	4.4	4.1	4.4	4.4	4.4	1.1	4.1	4.1	4.1
3.3	3.3	3.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1
2.2	2.2	4.2	4.4	4.3	4.3	4.1	4.1	3.1	3.1	1.1
2.2	2.2	2.2	2.1	3.2	3.2	3.2	1.1	3.1	3.1	3.1
2.2	2.2	3.2	3.1	3.2	3.2	3.2	1.1	2.1	2.1	2.1
4.1	4.1	4.4	4.2	4.3	4.3	4.1	2.1	3.1	3.1	1.1
4.1	4.1	4.4	4.2	4.3	4.3	4.1	2.1	3.1	3.1	1.1

1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
3.1	3.1	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
4.2	4.2	4.4	4.3	4.2	4.2	4.2	3.1	2.1	2.1	2.1
3.1	3.1	3.3	3.2	4.3	4.3	3.1	2.1	4.1	4.1	1.1
2.2	2.2	2.2	2.1	2.2	2.2	2.1	1.1	2.1	2.1	1.1
2.2	2.2	2.2	2.1	2.2	2.2	2.1	1.1	2.1	2.1	1.1
2.2	2.2	2.2	2.1	2.2	2.2	2.1	1.1	2.1	2.1	1.1
2.2	2.2	2.2	2.1	2.2	2.2	2.1	1.1	2.1	2.1	1.1
2.2	2.2	2.2	2.1	2.2	2.2	2.1	1.1	2.1	2.1	1.1
4.1	4.1	4.4	4.2	4.3	4.3	4.1	2.1	3.1	3.1	1.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.1	2.1	1.1	1.1	5.1	5.1	4.1	1.1	5.1	5.1	4.1
4.2	4.2	4.4	4.1	4.2	4.2	4.3	1.1	2.1	2.1	3.1
4.2	4.2	4.4	4.1	4.3	4.3	4.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
4.3	4.3	4.4	4.1	4.1	4.1	4.2	1.1	1.1	1.1	2.1
1.1	1.1	1.1	3.1	1.1	1.1	2.1	3.1	1.1	1.1	2.1
3.3	3.3	3.3	3.1	3.3	3.3	3.2	1.1	3.1	3.1	2.1
3.3	3.3	3.3	3.1	3.3	3.3	3.2	1.1	3.1	3.1	2.1
3.3	3.3	3.3	3.1	3.3	3.3	3.1	1.1	3.1	3.1	1.1
3.3	3.3	3.3	3.1	3.3	3.3	3.1	1.1	3.1	3.1	1.1
3.3	3.3	3.3	3.1	3.3	3.3	3.1	1.1	3.1	3.1	1.1
3.3	3.3	3.3	3.1	3.3	3.3	3.1	1.1	3.1	3.1	1.1
3.3	3.3	3.3	3.1	3.3	3.3	3.1	1.1	3.1	3.1	1.1
2.1	2.1	2.2	3.2	2.2	2.2	4.2	3.1	2.1	2.1	4.1
3.2	3.2	2.2	2.1	4.2	4.2	3.2	1.1	4.1	4.1	3.1
3.2	3.2	2.2	2.1	4.2	4.2	2.2	1.1	4.1	4.1	2.1

3.1	3.1	3.3	4.3	3.3	3.3	3.2	4.1	3.1	3.1	2.1
4.3	4.3	3.3	3.1	3.3	3.3	3.2	1.1	3.1	3.1	2.1
3.3	3.3	3.3	3.2	4.3	4.3	3.3	2.1	4.1	4.1	3.1
3.2	3.2	3.3	3.1	3.1	3.1	3.1	1.1	1.1	1.1	1.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
3.3	3.3	3.3	3.1	3.3	3.3	3.1	1.1	3.1	3.1	1.1
3.3	3.3	3.3	3.1	3.3	3.3	3.1	1.1	3.1	3.1	1.1
4.3	4.3	4.4	4.1	4.4	4.4	4.1	1.1	4.1	4.1	1.1
3.3	3.3	3.3	3.1	3.3	3.3	3.1	1.1	3.1	3.1	1.1
2.1	2.1	2.1	3.2	2.2	2.2	2.1	3.1	2.1	2.1	1.1
2.1	2.1	1.1	3.1	1.1	1.1	1.1	3.1	1.1	1.1	1.1
4.2	4.2	4.4	4.3	4.4	4.4	4.2	3.1	4.1	4.1	2.1
4.3	4.3	4.4	4.2	4.4	4.4	4.3	2.1	4.1	4.1	3.1
4.3	4.3	4.4	4.2	4.1	4.1	4.1	2.1	1.1	1.1	1.1
3.1	3.1	1.1	2.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1
2.2	2.2	2.1	4.1	3.1	3.1	1.1	4.1	3.1	3.1	1.1
2.2	2.2	2.2	4.2	2.2	2.2	2.1	4.1	2.1	2.1	1.1
4.1	4.1	1.1	3.1	1.1	1.1	1.1	3.1	1.1	1.1	1.1
4.4	4.4	4.4	4.2	5.4	4.2	4.2	2.1	5.1	2.1	2.1
4.3	4.3	3.3	3.2	3.1	3.1	3.1	2.1	1.1	1.1	1.1
3.3	3.3	3.3	4.3	3.3	3.3	3.2	4.1	3.1	3.1	2.1
4.2	4.2	2.2	3.2	2.1	2.1	2.1	3.1	1.1	1.1	1.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	3.2	1.1	2.1	2.1	3.1
3.2	3.2	3.3	3.1	4.3	4.3	3.3	1.1	4.1	4.1	3.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1

4.2	4.2	4.4	4.1	4.3	4.3	4.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.1	2.1	1.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
2.2	2.2	2.2	3.2	5.2	5.2	2.2	3.1	5.1	5.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
3.2	3.2	3.3	3.1	4.3	4.3	4.3	1.1	4.1	4.1	4.1
4.2	4.2	4.4	4.1	4.3	4.3	5.4	1.1	3.1	3.1	5.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.1	1.1	3.1	3.1	1.1
2.2	2.2	2.2	2.1	3.2	3.2	4.2	1.1	3.1	3.1	4.1
2.2	2.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
4.2	4.2	4.4	4.1	4.3	4.3	4.2	1.1	3.1	3.1	2.1
1.1	1.1	1.1	3.1	1.1	1.1	2.1	3.1	1.1	1.1	2.1
4.3	4.3	4.4	4.2	4.3	4.3	4.2	2.1	3.1	3.1	2.1
3.3	3.3	3.3	3.1	3.3	3.3	3.2	1.1	3.1	3.1	2.1
3.2	3.2	2.2	2.1	2.2	2.2	3.2	1.1	2.1	2.1	3.1
3.3	3.3	3.3	3.1	4.3	4.3	3.3	1.1	4.1	4.1	3.1
3.3	3.3	3.3	3.1	3.3	3.3	3.2	1.1	3.1	3.1	2.1
3.1	3.1	1.1	1.1	1.1	1.1	2.1	1.1	1.1	1.1	2.1
3.3	3.3	3.3	3.1	3.2	3.2	3.3	1.1	2.1	2.1	3.1
3.3	3.3	3.3	3.1	3.3	3.3	3.3	1.1	3.1	3.1	3.1
3.3	3.3	3.3	3.1	3.2	3.2	3.2	1.1	2.1	2.1	2.1

3.3	3.3	3.3	3.1	3.2	3.2	3.2	1.1	2.1	2.1	2.1
3.2	3.2	2.2	2.1	2.2	2.2	3.2	1.1	2.1	2.1	3.1
3.3	3.3	3.3	3.1	3.3	3.3	4.3	1.1	3.1	3.1	4.1
4.3	4.3	4.4	4.1	4.2	4.2	4.2	1.1	2.1	2.1	2.1
3.2	3.2	2.2	2.1	2.2	2.2	2.2	1.1	2.1	2.1	2.1
4.3	4.3	3.3	3.2	3.3	3.3	3.2	2.1	3.1	3.1	2.1
3.3	3.3	3.3	3.2	4.3	4.3	3.2	2.1	4.1	4.1	2.1
4.2	4.2	4.4	4.3	4.2	4.2	4.1	3.1	2.1	2.1	1.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
3.3	3.3	3.3	3.1	3.1	3.1	3.1	1.1	1.1	1.1	1.1
2.2	2.2	2.2	3.2	2.2	2.2	2.2	3.1	2.1	2.1	2.1
3.2	3.2	2.2	2.1	2.2	2.2	2.1	1.1	2.1	2.1	1.1
2.2	2.2	2.2	3.2	2.2	2.2	3.2	3.1	2.1	2.1	3.1
2.2	2.2	2.2	3.2	2.2	2.2	2.1	3.1	2.1	2.1	1.1
4.2	4.2	4.4	4.3	4.4	4.4	4.1	3.1	4.1	4.1	1.1
4.3	4.3	3.3	3.2	5.3	5.3	4.3	2.1	5.1	5.1	4.1
3.2	3.2	3.3	4.3	3.1	3.1	3.2	4.1	1.1	1.1	2.1
4.4	4.4	4.4	4.2	4.3	4.3	4.3	2.1	3.1	3.1	3.1
3.2	3.2	3.3	4.3	4.3	4.3	3.2	4.1	4.1	4.1	2.1
3.3	3.3	3.3	4.3	3.1	3.1	3.2	4.1	1.1	1.1	2.1
4.4	4.4	4.4	4.3	4.2	4.2	4.4	3.1	2.1	2.1	4.1
2.2	2.2	2.2	2.2	3.2	3.2	4.2	2.1	3.1	3.1	4.1
3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	2.1	2.1	1.1
2.2	2.2	2.2	2.2	3.2	3.2	2.2	2.1	3.1	3.1	2.1
4.2	4.2	4.4	4.3	4.3	4.3	4.1	3.1	3.1	3.1	1.1
4.2	4.2	4.4	4.2	4.3	4.3	4.3	2.1	3.1	3.1	3.1
2.1	2.1	2.2	2.1	4.2	4.2	3.2	1.1	4.1	4.1	3.1
4.3	4.4	4.4	4.4	4.2	4.2	4.1	4.1	2.1	2.1	1.1

3.1	3.1	1.1	3.1	2.1	2.1	2.1	3.1	2.1	2.1	2.1
3.1	3.1	1.1	3.1	2.1	2.1	2.1	3.1	2.1	2.1	2.1
3.3	3.3	3.1	4.1	1.1	1.1	2.1	4.1	1.1	1.1	2.1
2.2	2.2	2.2	2.2	3.2	3.2	2.2	2.1	3.1	3.1	2.1
2.2	2.2	2.2	2.2	3.2	3.2	2.2	2.1	3.1	3.1	2.1
2.2	2.2	2.2	2.2	3.2	3.2	2.2	2.1	3.1	3.1	2.1
2.2	2.2	2.2	2.1	3.2	3.2	2.2	1.1	3.1	3.1	2.1
2.2	2.2	2.2	2.2	3.2	3.2	2.1	2.1	3.1	3.1	1.1
1.1	1.1	1.1	1.1	3.1	3.1	2.1	1.1	3.1	3.1	2.1
1.1	1.1	1.1	1.1	2.1	2.1	3.1	1.1	2.1	2.1	3.1

Draft

37x8	37x9	37x13	37x17	37x20	37x24	37x18	37x19	37x27	37x7	
-0.1731659	-0.0945865	-0.3685489	-0.2565335	-0.1064739	-0.1276519	-0.2069564	-0.0192939	-0.2013345	-0.1589311	<- ODH
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1	
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1	
1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1	
1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1	
1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1	
1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1	
1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1	
1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1	
1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1	
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1	
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	4.1	4.1	
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1	
1.1	1.1	3.1	3.1	3.1	1.1	3.1	3.1	3.1	1.1	
1.1	1.1	3.1	3.1	3.1	1.1	3.1	3.1	3.1	1.1	
1.1	1.1	3.1	3.1	3.1	1.1	3.1	3.1	3.1	1.1	
1.1	1.1	3.1	3.1	3.1	1.1	3.1	3.1	3.1	1.1	
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	1.1	1.1	
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	2.1	1.1	
1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1	
1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1	

1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	1.1	2.1
4.1	4.1	1.1	4.1	2.1	4.1	2.1	2.1	2.1	1.1
2.1	2.1	1.1	2.1	4.1	2.1	4.1	4.1	3.1	3.1
3.1	3.1	4.1	3.1	4.1	3.1	4.1	4.1	1.1	3.1
4.1	4.1	1.1	4.1	3.1	4.1	3.1	3.1	3.1	2.1
1.1	1.1	4.1	4.1	4.1	1.1	4.1	4.1	4.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	4.1	4.1
2.1	2.1	1.1	3.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	4.1	4.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
1.1	1.1	4.1	3.1	2.1	1.1	2.1	2.1	2.1	4.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1

1.1	1.1	3.1	4.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	2.1	2.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	2.1	2.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	4.1	4.1
3.1	3.1	4.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	2.1	2.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
4.1	4.1	1.1	2.1	1.1	4.1	1.1	1.1	2.1	2.1
4.1	4.1	1.1	4.1	1.1	4.1	1.1	1.1	2.1	2.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.1	1.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1
2.1	2.1	1.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	4.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	2.1	3.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
2.1	2.1	3.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	3.1	2.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
4.1	4.1	1.1	3.1	2.1	4.1	2.1	2.1	1.1	1.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1

2.1	1.1	1.1	1.1	3.1	2.1	3.1	3.1	1.1	1.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
4.1	4.1	2.1	3.1	2.1	4.1	2.1	2.1	2.1	2.1
2.1	2.1	4.1	3.1	3.1	2.1	3.1	3.1	4.1	4.1
2.1	2.1	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1
4.1	4.1	2.1	1.1	2.1	4.1	2.1	2.1	3.1	3.1
4.1	4.1	1.1	4.1	2.1	4.1	2.1	2.1	2.1	2.1
4.1	4.1	3.1	3.1	3.1	4.1	3.1	3.1	3.1	3.1
4.1	4.1	3.1	2.1	2.1	4.1	2.1	2.1	3.1	3.1
4.1	4.1	3.1	2.1	3.1	4.1	3.1	3.1	2.1	2.1
3.1	3.1	4.1	3.1	4.1	3.1	4.1	4.1	2.1	2.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	3.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	3.1	1.1
1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1
1.1	1.1	2.1	4.1	2.1	1.1	2.1	2.1	4.1	1.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	3.1	1.1
1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1
1.1	1.1	4.1	4.1	2.1	1.1	2.1	2.1	2.1	1.1
1.1	1.1	4.1	3.1	2.1	1.1	2.1	2.1	2.1	4.1
1.1	2.1	4.1	3.1	2.1	1.1	2.1	2.1	3.1	1.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	4.1	1.1
1.1	4.1	3.1	1.1	3.1	4.1	3.1	3.1	3.1	3.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	2.1	3.1	3.1	3.1	1.1	3.1	3.1	3.1	2.1
1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	2.1	1.1
1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	3.1	1.1
1.1	2.1	4.1	3.1	4.1	1.1	4.1	4.1	3.1	4.1

1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	3.1	1.1
1.1	1.1	4.1	1.1	4.1	1.1	4.1	4.1	3.1	4.1
1.1	1.1	2.1	1.1	4.1	1.1	4.1	4.1	3.1	1.1
1.1	1.1	2.1	2.1	4.1	1.1	4.1	4.1	2.1	1.1
4.1	4.1	3.1	1.1	5.1	1.1	5.1	5.1	2.1	1.1
2.1	1.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1
4.1	4.1	3.1	1.1	2.1	4.1	2.1	2.1	2.1	3.1
2.1	2.1	4.1	3.1	4.1	2.1	4.1	4.1	3.1	2.1
4.1	2.1	1.1	2.1	3.1	4.1	3.1	3.1	2.1	1.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	3.1	3.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	4.1	4.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
1.1	3.1	1.1	1.1	3.1	3.1	2.1	3.1	5.1	4.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	4.1	4.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
1.1	1.1	3.1	4.1	3.1	1.1	3.1	3.1	5.1	5.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	3.1	2.1	4.1	1.1	4.1	4.1	3.1	3.1
3.1	4.1	1.1	3.1	1.1	3.1	1.1	1.1	2.1	2.1
1.1	2.1	4.1	3.1	4.1	1.1	4.1	4.1	3.1	3.1
1.1	3.1	1.1	1.1	4.1	3.1	4.1	4.1	2.1	2.1

1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	4.1	4.1
1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	2.1	2.1
2.1	2.1	3.1	1.1	1.1	2.1	1.1	1.1	3.1	3.1
2.1	2.1	3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1
2.1	2.1	1.1	2.1	3.1	2.1	3.1	3.1	4.1	4.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
2.1	2.1	3.1	4.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	4.1	4.1
2.1	2.1	4.1	2.1	4.1	2.1	4.1	4.1	3.1	3.1
2.1	3.1	1.1	2.1	4.1	2.1	4.1	4.1	1.1	1.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	3.1	3.1
1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	4.1	4.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	3.1	3.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	2.1	2.1
4.1	4.1	2.1	4.1	3.1	4.1	3.1	3.1	2.1	2.1
4.1	4.1	3.1	1.1	3.1	4.1	3.1	3.1	3.1	3.1
3.1	3.1	4.1	3.1	4.1	4.1	4.1	4.1	1.1	1.1
4.1	4.1	3.1	2.1	3.1	4.1	3.1	3.1	1.1	1.1
3.1	3.1	4.1	4.1	4.1	3.1	4.1	4.1	4.1	4.1
4.1	2.1	2.1	2.1	3.1	4.1	3.1	3.1	2.1	2.1
3.1	3.1	4.1	2.1	4.1	3.1	4.1	4.1	4.1	4.1
3.1	3.1	1.1	3.1	4.1	3.1	4.1	4.1	4.1	4.1
3.1	2.1	2.1	3.1	4.1	3.1	4.1	4.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
1.1	1.1	5.1	6.1	2.1	1.1	2.1	2.1	4.1	3.1

1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.1	3.1	2.1	1.1	4.1	1.1	4.1	4.1	4.1	2.1
1.1	1.1	2.1	3.1	4.1	1.1	4.1	4.1	4.1	4.1
1.1	1.1	5.1	4.1	5.1	1.1	5.1	5.1	5.1	5.1
2.1	2.1	1.1	2.1	3.1	2.1	3.1	3.1	4.1	4.1
3.1	3.1	2.1	2.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	4.1	4.1
2.1	2.1	4.1	3.1	4.1	2.1	4.1	4.1	3.1	3.1
2.1	2.1	4.1	3.1	4.1	2.1	4.1	4.1	3.1	3.1
2.1	2.1	4.1	2.1	4.1	2.1	4.1	4.1	4.1	4.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	3.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
1.1	3.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
1.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	4.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	4.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	2.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	3.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	3.1	2.1	1.1	4.1	3.1	4.1	4.1	2.1	2.1
1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	2.1	2.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	2.1	3.1	1.1	1.1	2.1	1.1	1.1	3.1	3.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1

1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	2.1	2.1
2.1	2.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	4.1	2.1	1.1	3.1	4.1	3.1	3.1	3.1	1.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	1.1
1.1	1.1	3.1	2.1	4.1	1.1	4.1	4.1	3.1	3.1
1.1	1.1	3.1	2.1	4.1	1.1	4.1	4.1	3.1	3.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
1.1	1.1	4.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
4.1	4.1	2.1	1.1	3.1	4.1	3.1	3.1	2.1	2.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
1.1	2.1	3.1	2.1	4.1	1.1	4.1	4.1	4.1	4.1
1.1	1.1	2.1	1.1	4.1	1.1	4.1	4.1	4.1	1.1
1.1	1.1	4.1	3.1	2.1	1.1	2.1	2.1	4.1	4.1
1.1	1.1	4.1	1.1	4.1	1.1	4.1	4.1	3.1	3.1
4.1	4.1	1.1	4.1	1.1	4.1	1.1	1.1	3.1	3.1
1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	1.1	1.1
1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	2.1	2.1

3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	1.1	4.1	3.1	4.1	4.1	2.1	2.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	4.1	4.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	2.1
4.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	4.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	2.1
2.1	4.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
2.1	1.1	1.1	1.1	3.1	2.1	3.1	3.1	1.1	1.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	1.1	1.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	3.1	3.1
2.1	1.1	3.1	2.1	4.1	2.1	4.1	4.1	4.1	1.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	2.1	3.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	3.1	3.1
4.1	4.1	2.1	3.1	2.1	4.1	2.1	2.1	2.1	2.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	2.1	2.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	3.1	3.1
4.1	1.1	3.1	4.1	2.1	4.1	2.1	2.1	1.1	1.1
2.1	2.1	4.1	2.1	4.1	2.1	4.1	4.1	3.1	3.1
3.1	3.1	4.1	2.1	2.1	3.1	2.1	2.1	4.1	4.1
4.1	4.1	3.1	2.1	3.1	4.1	3.1	3.1	2.1	2.1
4.1	4.1	1.1	4.1	3.1	4.1	3.1	3.1	2.1	2.1
3.1	3.1	1.1	3.1	4.1	3.1	4.1	4.1	4.1	4.1

5.1	5.1	4.1	1.1	4.1	5.1	4.1	4.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	5.1	5.1
4.1	2.1	2.1	1.1	2.1	4.1	2.1	2.1	3.1	3.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
1.1	2.1	1.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	3.1	1.1	1.1	3.1	5.1	3.1	3.1	1.1	1.1
1.1	2.1	3.1	1.1	3.1	4.1	3.1	3.1	2.1	2.1
1.1	1.1	3.1	5.1	3.1	1.1	3.1	3.1	2.1	2.1
2.1	2.1	2.1	1.1	3.1	2.1	3.1	3.1	2.1	2.1
1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	3.1	3.1
1.1	5.1	1.1	1.1	4.1	2.1	4.1	4.1	3.1	3.1
3.1	3.1	3.1	1.1	4.1	3.1	4.1	4.1	3.1	3.1
2.1	2.1	4.1	4.1	3.1	2.1	3.1	3.1	3.1	4.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	4.1	4.1
3.1	3.1	2.1	1.1	2.1	3.1	2.1	2.1	1.1	1.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	4.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	3.1	3.1	2.1	4.1	2.1	4.1	4.1	3.1	3.1
4.1	3.1	1.1	4.1	2.1	4.1	2.1	2.1	2.1	2.1
4.1	1.1	3.1	4.1	3.1	4.1	3.1	3.1	3.1	3.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
3.1	3.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	1.1

1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	1.1
2.1	2.1	4.1	1.1	3.1	1.1	3.1	3.1	4.1	1.1
1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	1.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	4.1	4.1
1.1	1.1	4.1	5.1	4.1	1.1	4.1	4.1	3.1	3.1
4.1	4.1	1.1	3.1	1.1	4.1	3.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	3.1	2.1	3.1	3.1	3.1	2.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	3.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	1.1
3.1	3.1	2.1	4.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	4.1	1.1	2.1	3.1	2.1	3.1	3.1	1.1	4.1
2.1	4.1	1.1	2.1	3.1	2.1	3.1	3.1	1.1	4.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	3.1	3.1
4.1	4.1	1.1	4.1	2.1	4.1	2.1	2.1	2.1	4.1
2.1	2.1	1.1	2.1	4.1	2.1	4.1	4.1	4.1	2.1
2.1	2.1	4.1	2.1	4.1	2.1	4.1	4.1	3.1	3.1
4.1	4.1	2.1	3.1	2.1	4.1	2.1	2.1	2.1	2.1
2.1	2.1	4.1	3.1	4.1	2.1	4.1	4.1	1.1	1.1
4.1	4.1	3.1	4.1	3.1	4.1	3.1	3.1	3.1	3.1
4.1	3.1	1.1	4.1	3.1	4.1	3.1	3.1	1.1	1.1
3.1	3.1	4.1	2.1	4.1	3.1	4.1	4.1	4.1	1.1
3.1	3.1	2.1	3.1	4.1	3.1	4.1	4.1	2.1	2.1

3.1	3.1	2.1	3.1	4.1	3.1	4.1	4.1	4.1	4.1
4.1	4.1	3.1	2.1	2.1	4.1	2.1	2.1	3.1	3.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
1.1	2.1	2.1	2.1	3.1	1.1	3.1	3.1	3.1	2.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	2.1	4.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	2.1
4.1	4.1	1.1	2.1	1.1	4.1	1.1	1.1	1.1	1.1
4.1	4.1	1.1	4.1	1.1	4.1	1.1	1.1	3.1	3.1
1.1	1.1	2.1	1.1	4.1	1.1	4.1	4.1	4.1	2.1
1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	4.1	1.1
1.1	1.1	3.1	1.1	4.1	1.1	4.1	4.1	4.1	4.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	1.1	1.1
3.1	1.1	1.1	1.1	2.1	3.1	2.1	2.1	1.1	1.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	4.1	4.1
3.1	2.1	2.1	3.1	2.1	2.1	2.1	2.1	1.1	1.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	3.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	2.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
4.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	5.1
4.1	3.1	1.1	4.1	2.1	4.1	2.1	2.1	3.1	3.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	3.1	3.1

4.1	3.1	1.1	3.1	2.1	4.1	2.1	2.1	1.1	1.1
2.1	2.1	4.1	2.1	4.1	2.1	4.1	4.1	2.1	2.1
4.1	4.1	2.1	4.1	3.1	4.1	3.1	3.1	2.1	2.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	1.1	1.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	3.1	3.1
2.1	2.1	3.1	2.1	4.1	2.1	4.1	4.1	4.1	2.1
4.1	4.1	2.1	4.1	3.1	4.1	3.1	3.1	3.1	3.1
4.1	4.1	1.1	4.1	3.1	4.1	3.1	3.1	2.1	2.1
3.1	1.1	1.1	1.1	4.1	3.1	4.1	4.1	1.1	1.1
4.1	4.1	2.1	4.1	3.1	4.1	3.1	3.1	2.1	1.1
3.1	3.1	4.1	2.1	4.1	3.1	4.1	4.1	4.1	4.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
3.1	3.1	3.1	1.1	4.1	3.1	4.1	4.1	3.1	3.1
1.1	2.1	4.1	1.1	5.1	1.1	5.1	5.1	4.1	4.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	4.1	1.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	1.1

3.1	1.1	2.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
1.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.1	3.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	4.1	4.1
2.1	2.1	4.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	4.1	4.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.1	3.1	1.1	3.1	2.1	3.1	3.1	2.1	2.1
2.1	2.1	1.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
4.1	4.1	2.1	2.1	2.1	4.1	2.1	2.1	2.1	2.1
4.1	4.1	1.1	4.1	2.1	4.1	2.1	2.1	3.1	1.1
4.1	4.1	1.1	4.1	2.1	4.1	2.1	2.1	2.1	1.1
4.1	4.1	1.1	4.1	2.1	4.1	2.1	2.1	2.1	1.1
4.1	4.1	1.1	4.1	2.1	4.1	2.1	2.1	2.1	1.1
4.1	4.1	2.1	1.1	2.1	4.1	2.1	2.1	2.1	2.1
2.1	2.1	3.1	2.1	4.1	2.1	4.1	4.1	4.1	4.1
2.1	2.1	4.1	2.1	4.1	2.1	4.1	4.1	3.1	3.1
4.1	4.1	2.1	1.1	2.1	4.1	2.1	2.1	4.1	4.1
2.1	2.1	4.1	3.1	4.1	2.1	4.1	4.1	2.1	2.1
2.1	2.1	1.1	2.1	5.1	2.1	5.1	5.1	4.1	1.1
4.1	4.1	2.1	4.1	3.1	4.1	3.1	3.1	3.1	2.1
2.1	2.1	2.1	2.1	4.1	3.1	4.1	4.1	4.1	4.1
3.1	3.1	1.1	3.1	4.1	3.1	4.1	4.1	2.1	2.1
4.1	4.1	3.1	4.1	3.1	4.1	3.1	3.1	4.1	4.1
5.1	5.1	3.1	5.1	2.1	5.1	2.1	2.1	3.1	3.1
4.1	4.1	4.1	1.1	2.1	4.1	2.1	2.1	3.1	3.1
3.1	2.1	1.1	1.1	2.1	4.1	2.1	2.1	1.1	1.1

1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
1.1	2.1	3.1	4.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	3.1	4.1	3.1	1.1	3.1	3.1	4.1	4.1
1.1	1.1	3.1	2.1	6.1	1.1	6.1	6.1	6.1	3.1
3.1	1.1	1.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	2.1	3.1	1.1	4.1	2.1	4.1	4.1	3.1	3.1
4.1	4.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	3.1
3.1	3.1	2.1	2.1	2.1	3.1	2.1	2.1	2.1	3.1
2.1	2.1	1.1	2.1	3.1	2.1	3.1	3.1	3.1	2.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	3.1	3.1
3.1	3.1	1.1	1.1	2.1	3.1	2.1	2.1	2.1	3.1
2.1	1.1	2.1	2.1	4.1	1.1	4.1	4.1	5.1	2.1
4.1	4.1	2.1	2.1	2.1	4.1	2.1	2.1	2.1	2.1
2.1	2.1	1.1	2.1	4.1	2.1	4.1	4.1	4.1	2.1
2.1	1.1	4.1	2.1	4.1	2.1	4.1	4.1	4.1	4.1
3.1	3.1	4.1	2.1	4.1	3.1	4.1	4.1	5.1	3.1
4.1	4.1	2.1	4.1	3.1	4.1	3.1	3.1	3.1	4.1
3.1	2.1	1.1	1.1	4.1	3.1	4.1	4.1	1.1	3.1
4.1	4.1	3.1	4.1	3.1	4.1	3.1	3.1	2.1	4.1
3.1	3.1	1.1	2.1	4.1	3.1	4.1	4.1	4.1	3.1
1.1	1.1	2.1	4.1	2.1	1.1	2.1	2.1	6.1	6.1
1.1	1.1	2.1	4.1	2.1	1.1	2.1	2.1	6.1	6.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	6.1	6.1
3.1	3.1	1.1	2.1	1.1	3.1	1.1	1.1	1.1	3.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1

1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
1.1	3.1	3.1	1.1	2.1	1.1	2.1	3.1	2.1	3.1
1.1	2.1	2.1	1.1	3.1	1.1	3.1	3.1	2.1	1.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	4.1	4.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	4.1	4.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	2.1	2.1
1.1	1.1	4.1	5.1	4.1	1.1	4.1	4.1	3.1	3.1
1.1	1.1	4.1	3.1	2.1	1.1	2.1	2.1	4.1	4.1
1.1	2.1	3.1	1.1	4.1	2.1	4.1	4.1	3.1	3.1
1.1	1.1	4.1	2.1	4.1	1.1	4.1	4.1	3.1	3.1
1.1	4.1	4.1	1.1	2.1	1.1	2.1	4.1	2.1	4.1
2.1	4.1	4.1	1.1	2.1	2.1	2.1	4.1	2.1	4.1
1.1	4.1	3.1	1.1	2.1	1.1	2.1	4.1	2.1	3.1
4.1	4.1	1.1	4.1	1.1	4.1	1.1	1.1	3.1	3.1
1.1	5.1	4.1	1.1	2.1	1.1	2.1	5.1	5.1	4.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1

3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	3.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	2.1
3.1	2.1	1.1	3.1	2.1	3.1	2.1	2.1	1.1	1.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	1.1	1.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.1	4.1	1.1	4.1	2.1	4.1	4.1	3.1	3.1
2.1	1.1	1.1	2.1	4.1	2.1	4.1	4.1	1.1	2.1
2.1	2.1	4.1	2.1	4.1	2.1	4.1	4.1	4.1	4.1
4.1	4.1	3.1	4.1	2.1	4.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	4.1	2.1	4.1	4.1	3.1	3.1
4.1	4.1	2.1	2.1	3.1	4.1	3.1	3.1	3.1	2.1
3.1	1.1	1.1	2.1	4.1	3.1	4.1	4.1	2.1	2.1
3.1	2.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	4.1
4.1	2.1	1.1	1.1	3.1	4.1	3.1	2.1	1.1	1.1
1.1	1.1	2.1	2.1	2.1	1.1	2.1	2.1	2.1	1.1
1.1	2.1	3.1	1.1	3.1	1.1	3.1	3.1	1.1	1.1
1.1	1.1	2.1	2.1	3.1	1.1	3.1	3.1	3.1	1.1
4.1	4.1	1.1	3.1	1.1	4.1	1.1	1.1	1.1	1.1
2.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	4.1	4.1
2.1	1.1	4.1	2.1	3.1	1.1	3.1	3.1	4.1	4.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	2.1
4.1	4.1	2.1	2.1	2.1	4.1	2.1	2.1	2.1	4.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	3.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	4.1	4.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	4.1	4.1

2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	1.1	1.1
4.1	4.1	1.1	2.1	1.1	3.1	1.1	1.1	1.1	1.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
2.1	2.1	1.1	1.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	3.1	3.1
1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	2.1	1.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	4.1	4.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
1.1	3.1	3.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
1.1	4.1	4.1	1.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.1	1.1	2.1	1.1	2.1	1.1	1.1	4.1	4.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	1.1	1.1
1.1	1.1	5.1	1.1	2.1	1.1	2.1	2.1	4.1	4.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	4.1	4.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
1.1	2.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	5.1	2.1	1.1	3.1	4.1	3.1	3.1	3.1	3.1
1.1	4.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	4.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	4.1	4.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	4.1	4.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	3.1	3.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	3.1	1.1	4.1	1.1	3.1	1.1	1.1	2.1	2.1
1.1	1.1	3.1	4.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	2.1	3.1	2.1	3.1	1.1	3.1	3.1	2.1	2.1

4.1	4.1	1.1	3.1	1.1	4.1	1.1	1.1	3.1	3.1
1.1	1.1	4.1	3.1	4.1	1.1	4.1	4.1	3.1	3.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	4.1	1.1	3.1	2.1	4.1	2.1	2.1	3.1	3.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
2.1	2.1	3.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
2.1	1.1	1.1	1.1	3.1	2.1	3.1	3.1	4.1	4.1
2.1	2.1	1.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	1.1	2.1
3.1	1.1	1.1	3.1	2.1	3.1	2.1	2.1	1.1	1.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	2.1	3.1	4.1	3.1	2.1	3.1	3.1	4.1	4.1
2.1	2.1	3.1	1.1	3.1	2.1	3.1	3.1	4.1	4.1
2.1	1.1	1.1	1.1	3.1	2.1	3.1	3.1	1.1	1.1
4.1	2.1	2.1	2.1	2.1	4.1	2.1	2.1	2.1	1.1
4.1	4.1	2.1	4.1	3.1	4.1	2.1	2.1	2.1	2.1
2.1	3.1	1.1	1.1	4.1	2.1	4.1	4.1	1.1	1.1
2.1	2.1	4.1	3.1	4.1	2.1	4.1	4.1	4.1	4.1
2.1	1.1	1.1	1.1	4.1	2.1	4.1	4.1	3.1	3.1
1.1	1.1	3.1	4.1	3.1	4.1	3.1	3.1	3.1	3.1
3.1	1.1	1.1	1.1	4.1	3.1	4.1	4.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1

1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	4.1	4.1
1.1	1.1	2.1	3.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	1.1	1.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	3.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	3.1	3.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	4.1	4.1
1.1	2.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	2.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	2.1	4.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	1.1	2.1	1.1	2.1	2.1	2.1	2.1
1.1	2.1	2.1	1.1	2.1	1.1	2.1	2.1	4.1	4.1
3.1	3.1	1.1	3.1	1.1	3.1	1.1	1.1	1.1	1.1
2.1	3.1	1.1	1.1	3.1	2.1	3.1	3.1	4.1	4.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	2.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	1.1	1.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
2.1	2.1	3.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1

1.1	1.1	3.1	2.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	3.1	3.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	1.1	4.1	1.1	3.1	1.1	3.1	3.1	3.1	3.1
1.1	2.1	3.1	1.1	3.1	1.1	3.1	3.1	4.1	4.1
1.1	1.1	3.1	1.1	3.1	1.1	3.1	3.1	2.1	2.1
1.1	2.1	2.1	1.1	4.1	1.1	4.1	4.1	3.1	3.1
2.1	3.1	1.1	1.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	3.1	1.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	1.1	1.1	2.1	3.1	2.1	3.1	3.1	3.1	3.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
2.1	1.1	3.1	2.1	3.1	2.1	3.1	3.1	2.1	2.1
3.1	1.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1
3.1	3.1	2.1	3.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	2.1	4.1	3.1	4.1	2.1	4.1	4.1	3.1	3.1
1.1	1.1	1.1	4.1	2.1	1.1	2.1	2.1	3.1	3.1
2.1	2.1	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1
4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	3.1	3.1
4.1	4.1	2.1	4.1	3.1	4.1	3.1	3.1	3.1	3.1
3.1	3.1	4.1	3.1	4.1	3.1	4.1	4.1	4.1	4.1
2.1	2.1	4.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1
3.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1
2.1	2.1	2.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1
3.1	3.1	1.1	2.1	2.1	3.1	2.1	2.1	4.1	4.1
2.1	2.1	4.1	3.1	2.1	2.1	2.1	2.1	4.1	4.1
1.1	1.1	1.1	4.1	1.1	1.1	1.1	1.1	2.1	2.1
4.1	4.1	4.1	2.1	4.1	4.1	3.1	4.1	4.1	4.1

3.1	3.1	1.1	2.1	3.1	3.1	3.1	3.1	1.1	1.1
3.1	3.1	1.1	2.1	3.1	3.1	3.1	3.1	1.1	1.1
4.1	2.1	1.1	2.1	3.1	4.1	3.1	3.1	3.1	1.1
2.1	2.1	2.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1
4.1	4.1	1.1	3.1	2.1	4.1	2.1	2.1	2.1	2.1
2.1	2.1	2.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1
1.1	1.1	2.1	3.1	1.1	1.1	1.1	1.1	1.1	1.1
1.1	1.1	1.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1

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Table S4
Hemizygotes analysis for underdominant and random genes

(A) hemizygotes for the underdominant genes (KOxYDF7) vs control hybrid BYxYDF7 (B) hemizygotes for the underdominant genes (KOxBY) vs control homozygote BYxBY to exclude haploinsufficiency (C) hemizygotes for random genes (RandKOxYDF7) vs control hybrid BYxYDF7. P-value for Dunnett's test. *YDF7 or 7 is SK1.

A) KOxYDF7 : BYxYDF7*								
Gene name	symbol	name	Heat sensitivity of KO [SGD; large scale survey]	Genotype	N Rows	Mean DT	Mean LogDT	P-value [Dunnet, compare to BYxYDF7 as control]
				BYx7	149	0.9291767	-0.107709	1
YGR238C	KEL2	KELch repeat	NA	KO37x7	8	0.839071	-0.262951	3.61E-06
YAR014C	BUD14	BUD site selection	NA	KO4x7	6	0.8320276	-0.270151	5.02E-05
YDR485C	VPS72	Vacuolar Protein Sorting	increased	KO39x7	7	0.8480414	-0.241012	0.0009055
YPL263C	KEL3	KELch	NA	KO8x7	7	0.8553168	-0.228988	0.00544225
YPR106W	ISR1	Inhibition of Staurosporin	NA	KO24x7	8	0.8696206	-0.21952	0.0073564
YHL032C	GUT1	Glycerol UTilization	NA	KO5x7	7	0.857658	-0.224699	0.00993448
YKR016W	MIC60	Mitochondrial contact sit	NA	KO23x7	7	0.8626815	-0.21783	0.02491728
YPR156C	TPO3	Transporter of POLyamin	NA	KO28x7	8	0.8810009	-0.183292	0.53607633
YJR117W	STE24	STERile	NA	KO29x7	8	0.8812652	-0.182914	0.55042217
YPL137C	GIP3	Glc7 Interacting Protein	NA	KO32x7	8	0.8831916	-0.180953	0.62542182
YFL034W	Uncharacterized	Uncharacterized	NA	KO22x7	7	0.8798467	-0.185027	0.65156829

YBR030W	RKM3	Ribosomal lysine (K) Met	NA	KO33x7	8	0.8843473	-0.178386	0.72107892
YPR111W	DBF20	DumbBell Forming	NA	KO25x7	7	0.8841078	-0.180056	0.81441533
YCR092C	MSH3	MutS Homolog	NA	KO17x7	7	0.8852725	-0.176654	0.89871811
YPR184W	GDB1	Uncharacterized	NA	KO13x7	6	0.8831806	-0.179284	0.94172796
YPL105C	SYH1	SmY2 Homolog	NA	KO11x7	8	0.8961597	-0.159258	0.99933552
YJR126C	VPS70	Vacuolar Protein Sorting	NA	KO31x7	8	0.895927	-0.158953	0.99944832
YCR060W	TAH1	Tpr-containing protein A	NA	KO30x7	7	0.8945236	-0.160972	0.99975591
YGL033W	HOP2	HOmologous Pairing	NA	KO14x7	12	0.9025904	-0.14882	0.99979572
YPL141C	FRK1	Fatty acyl-CoA synthetase	NA	KO6x7	8	0.898453	-0.155012	0.99996673
YKR005C	Uncharacterized	Uncharacterized	NA	KO18x7	8	0.8998766	-0.15313	0.99999355
YGR171C	MSM1	Mitochondrial aminoacyl	increased	KO2x7	8	0.9022127	-0.149173	0.9999999
YOR171C	LCB4	Long-Chain Base	NA	KO16x7	8	0.9037608	-0.147471	0.99999998
YGR125W	Uncharacterized	Uncharacterized	NA	KO10x7	8	0.9093943	-0.138281	1
YPL104W	MSD1	Mitochondrial aminoacyl	NA	KO12x7	7	0.9239094	-0.114255	1
YGR043C	NQM1	Non-Quiescent Mutant	NA	KO15x7	8	0.903414	-0.147151	1
YKR009C	FOX2	Fatty acid OXidation	NA	KO19x7	7	0.9215021	-0.118154	1
YGR166W	TRS65	TRapp Subunit	NA	KO1x7	7	0.914475	-0.130782	1
YKR012C	Uncharacterized	Uncharacterized	NA	KO20x7	7	0.9120445	-0.137619	1
YOR196C	LIP5	LIPoic acid	increased	KO21x7	7	0.9055975	-0.143636	1
YFL051C	Uncharacterized	Uncharacterized	NA	KO26x7	7	0.9061845	-0.142558	1
YIL005W	EPS1	Uncharacterized	NA	KO27x7	7	0.947853	-0.077512	1
YLR237W	THI7	THIamine metabolism	NA	KO34x7	7	0.9037812	-0.146321	1
YPR068C	HOS1	Hda One Similar	NA	KO35x7	8	0.9479653	-0.079206	1
YPR079W	MRL1	Mannose 6-phosphate R	NA	KO36x7	8	0.9139487	-0.131404	1
YCR026C	NPP1	ecto-Nucleotide Pyropho	increased	KO38x7	8	0.9120423	-0.138948	1
YGR174C	CBP4	Cytochrome B mRNA Pro	NA	KO3x7	8	0.9525405	-0.071625	1
YMR173W	Uncharacterized	Uncharacterized	NA	KO40x7	8	0.9081463	-0.143985	1
YKR028W	SAP190	Sit4 Associated Protein	NA	KO41x7	6	0.9253244	-0.112293	1

YHL027W	RIM101	Regulator of IME2	NA	KO7x7	8	0.9403214	-0.094633	1
YCR009C	RVS161	Reduced Viability on Star increased		KO9x7	7	0.9043458	-0.145304	1

B) KOxBY : BYxBY

Gene name	Genotype	N Rows	Mean DT	Mean LogDT	P-value [Dunnet, compare to BYxBY as control]	KOxBY/BY xBY (DT)
	BYxBY	157	1.22957576	0.295477	1	1
YGR238C	KO37xBY	7	1.07173048	0.089078	5.48E-09	0.8716262
YPL263C	KO8xBY	7	1.10656672	0.141426	0.0120483	0.8999581
YHL032C	KO5xBY	7	1.11161175	0.162615	0.2520994	0.9040612
YKR016W	KO23xBY	7	1.14187614	0.179221	0.3218861	0.9286749
YKR028W	KO41xBY	8	1.30417643	0.380045	0.5163551	1.0606719
YKR012C	KO20xBY	7	1.1445247	0.190958	0.6137219	0.9308289
YOR171C	KO16xBY	8	1.29144823	0.366981	0.8579458	1.0503202
YLR237W	KO34xBY	8	1.28148143	0.356164	0.983272	1.0422143
YGR171C	KO2xBY	8	1.275931	0.350445	0.9972538	1.0377002
YGR174C	KO3xBY	7	1.27663246	0.351817	0.9990403	1.0382707
YDR485C	KO39xBY	7	1.18413506	0.223905	0.9996245	0.9630436
YPR068C	KO35xBY	8	1.26951082	0.34244	0.9999313	1.0324787
YHL027W	KO7xBY	7	1.2724188	0.344144	0.9999769	1.0348438
YFL034W	KO22xBY	7	1.17742539	0.235043	0.9999995	0.9575867
YPR156C	KO28xBY	8	1.1870453	0.243019	1	0.9654105
YGR125W	KO10xBY	7	1.20245311	0.264143	1	0.9779415

YPL105C	KO11xBY	7	1.22237371	0.288704	1	0.9941427
YPL104W	KO12xBY	6	1.25944629	0.332053	1	1.0242934
YPR184W	KO13xBY	7	1.23553372	0.303802	1	1.0048455
YGL033W	KO14xBY	11	1.21489547	0.276433	1	0.9880607
YGR043C	KO15xBY	8	1.22675608	0.292714	1	0.9977068
YCR092C	KO17xBY	6	1.22284033	0.280678	1	0.9945222
YKR005C	KO18xBY	8	1.2232405	0.288261	1	0.9948476
YKR009C	KO19xBY	7	1.23509393	0.304082	1	1.0044879
YGR166W	KO1xBY	7	1.2365428	0.303939	1	1.0056662
YOR196C	KO21xBY	7	1.18505269	0.244097	1	0.9637899
YPR106W	KO24xBY	6	1.21989874	0.283409	1	0.9921298
YPR111W	KO25xBY	7	1.20404985	0.262459	1	0.9792401
YFL051C	KO26xBY	8	1.23050934	0.298582	1	1.0007593
YIL005W	KO27xBY	7	1.21215392	0.277371	1	0.985831
YJR117W	KO29xBY	8	1.22884452	0.295222	1	0.9994053
YCR060W	KO30xBY	6	1.19121794	0.252268	1	0.968804
YJR126C	KO31xBY	7	1.26227637	0.333115	1	1.026595
YPL137C	KO32xBY	8	1.20114385	0.259455	1	0.9768767
YBR030W	KO33xBY	7	1.22596859	0.293034	1	0.9970663
YPR079W	KO36xBY	7	1.20436953	0.266101	1	0.9795001
YCR026C	KO38xBY	8	1.2567203	0.321533	1	1.0220763
YMR173W	KO40xBY	6	1.20162562	0.258305	1	0.9772685
YAR014C	KO4xBY	6	1.24722957	0.310942	1	1.0143576
YPL141C	KO6xBY	7	1.22529941	0.291839	1	0.9965221
YCR009C	KO9xBY	8	1.19949462	0.25919	1	0.9755354

KO DT significantly lower than control DT

KO DT significantly higher than control DT

C) RandKOxYDF7 : BYxYDF7						
Gene name	Genotype	N Rows	Mean DT	Mean LogDT	P-value [Dunnet, compare to BYxYDF7 as control]	RandKOx7 /BYx7 (DT)
	BYx7	149	0.92917671	-0.107709	1	1
YER188W	R13x7	8	1.18378798	0.241264	5.47E-11	1.2740181
YGL258W	R18x7	8	1.2448139	0.313735	5.47E-11	1.3396955
YPL079W	R29x7	8	1.45220656	0.530969	5.47E-11	1.562896
YIL112W	R61x7	8	1.12050638	0.13528	5.47E-11	1.2059131
YER083C	R52x7	8	1.04756741	0.06503	9.11E-08	1.1274146
YLR184W	R35x7	8	1.02312796	0.031799	7.36E-05	1.1011124
YBR150C	R81x7	8	0.85909981	-0.221216	0.0056981	0.9245817
YJR010C-A	R76x7	8	1.0048906	0.004235	0.0072118	1.0814849
YOR288C	R1x7	8	0.99960887	-0.003241	0.0213011	1.0758006
YNL130C	R62x7	8	0.99258748	-0.01103	0.0604815	1.068244
YGL109W	R82x7	7	0.86587903	-0.209163	0.072872	0.9318777
YLR031W	R71x7	8	0.8735561	-0.199576	0.1095287	0.9401399
YLR150W	R4x7	8	0.99125667	-0.016579	0.1194998	1.0668118
YNR014W	R64x7	7	0.98970647	-0.015613	0.2024167	1.0651434
YKL063C	R2x7	8	0.98434368	-0.024264	0.2745236	1.0593719
YJR026W	R60x7	8	0.97973476	-0.030947	0.4918563	1.0544117
YPR030W	R58x7	8	0.97806615	-0.033124	0.5741322	1.0526159
YDR260C	R8x7	8	0.97517053	-0.036872	0.715353	1.0494995
YPR164W	R7x7	8	0.97472841	-0.037767	0.7471257	1.0490237

YPR002W	R12x7	8	0.97294325	-0.040045	0.8213237	1.0471025
YNL051W	R68x7	7	0.88597259	-0.177889	0.8713502	0.9535028
YNL125C	R83x7	8	0.89151777	-0.167499	0.9726703	0.9594706
YMR252C	R37x7	6	0.88678934	-0.174262	0.9852807	0.9543818
YLR353W	R3x7	6	0.97083863	-0.043231	0.9928489	1.0448375
YPL066W	R5x7	8	0.96558388	-0.052053	0.994357	1.0391822
YAR040C	R51x7	7	0.96698401	-0.04871	0.9950492	1.040689
YMR120C	R73x7	7	0.9667016	-0.04951	0.9965162	1.0403851
YEL067C	R38x7	7	0.89248404	-0.165742	0.9967693	0.9605106
YDL088C	R63x7	8	0.96325184	-0.054374	0.9981749	1.0366724
YOR255W	R28x7	8	0.9626845	-0.055786	0.9991702	1.0360618
YDR321W	R14x7	8	0.96159559	-0.057535	0.9997225	1.0348899
YMR193W	R49x7	7	0.96247084	-0.055884	0.9999063	1.0358319
YCL061C	R50x7	7	0.96165521	-0.056572	0.9999426	1.0349541
YDR026C	R59x7	4	0.97302461	-0.041284	0.9999584	1.0471901
YGL015C	R30x7	8	0.95612663	-0.065626	0.9999998	1.0290041
YER054C	R44x7	7	0.90039823	-0.151501	0.9999999	0.969028
YLR371W	R11x7	8	0.95469433	-0.067699	1	1.0274626
YKL075C	R10x7	8	0.93331485	-0.100071	1	1.0044536
YGR096W	R15x7	7	0.94283702	-0.087807	1	1.0147015
YDR181C	R16x7	8	0.94253674	-0.08616	1	1.0143784
YOR209C	R17x7	8	0.91336549	-0.131552	1	0.9829836
YBL063W	R19x7	8	0.90590237	-0.145604	1	0.9749517
YFL035C-B	R20x7	7	0.91461503	-0.131107	1	0.9843284
YNL242W	R21x7	8	0.90743866	-0.14055	1	0.976605
YKR078W	R22x7	8	0.91536132	-0.128534	1	0.9851316
YPR150W	R23x7	6	0.91728118	-0.126241	1	0.9871978
YDR249C	R24x7	8	0.93277868	-0.100773	1	1.0038765

YGR235C	R25x7	8	0.91260528	-0.133297	1	0.9821655
YIL043C	R26x7	8	0.9179935	-0.125863	1	0.9879644
YOR126C	R27x7	8	0.9544896	-0.069537	1	1.0272423
YNL196C	R32x7	8	0.9494657	-0.076278	1	1.0218354
YNR074C	R33x7	7	0.94913717	-0.076436	1	1.0214819
YBL015W	R34x7	8	0.94600525	-0.081676	1	1.0181112
YPL037C	R36x7	8	0.95384239	-0.069555	1	1.0265457
YMR035W	R39x7	8	0.90642741	-0.142528	1	0.9755167
YCL005W	R40x7	8	0.90756553	-0.140162	1	0.9767416
YAL034C	R41x7	8	0.92685666	-0.110241	1	0.9975031
YCL025C	R42x7	8	0.91712222	-0.125356	1	0.9870267
YAL017W	R43x7	8	0.91376467	-0.130839	1	0.9834132
YCL042W	R46x7	8	0.90841751	-0.140099	1	0.9776585
YAR002W	R47x7	5	0.94967892	-0.07475	1	1.0220649
YER067C-A	R48x7	8	0.94661974	-0.080623	1	1.0187726
YMR210W	R53x7	8	0.9315068	-0.103484	1	1.0025077
YOR345C	R54x7	8	0.91121325	-0.134869	1	0.9806673
YBR294W	R55x7	7	0.95113586	-0.073738	1	1.0236329
YBR014C	R56x7	8	0.95178865	-0.07152	1	1.0243355
YOR274W	R57x7	7	0.94325179	-0.085028	1	1.0151479
YBR069C	R66x7	8	0.90471231	-0.145778	1	0.9736709
YMR037C	R67x7	8	0.91233542	-0.133089	1	0.981875
YDL039C	R69x7	8	0.9292918	-0.10653	1	1.0001239
YNL177C	R6x7	8	0.95359775	-0.069495	1	1.0262824
YDR508C	R70x7	8	0.92837799	-0.1084	1	0.9991404
YCL076W	R72x7	8	0.95198577	-0.072696	1	1.0245476
YDL238C	R74x7	7	0.9538946	-0.069895	1	1.0266019
YJL068C	R75x7	8	0.94210104	-0.086662	1	1.0139094

YGL127C	R77x7	7	0.93392832	-0.098987	1	1.0051138
YDL184C	R78x7	8	0.91994891	-0.121806	1	0.9900688
YNL099C	R79x7	8	0.90831856	-0.140854	1	0.977552
YDL086W	R84x7	4	0.90549501	-0.143978	1	0.9745132

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KOx7/BYx7(DT)	
	1
0.903026336	
0.895446045	
0.912680409	
0.920510352	
0.935904474	
0.923030045	
0.928436411	
0.948152166	
0.9484366	
0.950509877	
0.946909937	

0.951753666
0.951495814
0.952749343
0.950497952
0.964466382
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0.962705576
0.971387283
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0.968466579
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0.972646861
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0.972273573
0.991740452
0.984177692
0.981561914
0.974623578
0.975255299
1.020099794
0.972668794
1.020220675
0.983611309
0.981559525
1.025144604
0.977366663
0.995854029

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1.011994134
0.97327645

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Name	Orientation	Gene
YP43		
YP44		
YP45		
YP125		
YP126		
YP421	F	
YP422	R	
YP425*	F	ko-YKR016W
YP426*	R	ko-YKR016W

SK1 background primers

YP450	F	va-YHL032C
YP451	F	va-YAR014C
YP452	F	va-YDR485C
YP453	F	va-YPR106W
YP454	F	va-YKR016W
YP455*	F	ko-YHL032C
YP456*	R	ko-YHL032C
YP457*	F	ko-YDR485C
YP458*	R	ko-YDR485C
YP459*	F	ko-YPR106W
YP460*	R	ko-YPR106W
YP461*	F	ko-YAR014C
YP462*	R	ko-YAR014C

*Sequence in black are genomic sequence and in red are sequ

Sequence	Tm	Comment
AGTCACATCAAGATCGTTTATGG		MATa
ACTCCACTTCAAGTAAGAGTTTG		Mata
GCACCGGAATATGGGACTACTTCG		MATa/α
GCCAGGTTACTGCCAATTTT	56	validation c
TTGACGGGAGTGTATTGACG	56	validation c
ACGTTCCTTTTTGCCGAGGAT	58	KO23 with
ACCCTCAAGTTATCGCCGAC	60	for seq of Y
AGCAAAAGGACAAAGAACTAGAAGAAAAATTAAAGGCGAA TAGGGATAACAGGGTAAT TTGGATGGACGCAAAGAAGT	58	pop in-usec
CTGCCATTTCTTTCTTCTCAATTTTGTCTTTGATAA TTCGTACGCTGCAGGTCGAC	58	pop in-usec
GCCAGGGCTA TCTTGAAGG	56	validation c
AGGAAGAGCA TGTTGATGAG A	56	validation c
ATACCAAGAT CGCACCATAC CC	56	validation c
TC CAGTACATGA GTCCTTCAAC C	56	validation c
CACG GAATTGAACA CACAATATG	56	validation c
GTGGATGGCG GGATGTCGAG GTCTAATGAA GTCATGCAAA TAGGGATAAC AGGGTAATTT GGATGGACGC AAAGAAGT	58	pop in
ATTTCTTAAC ATCATGTAGG TCCTTCCATA ATGGGCGCTC TTCGTACGCT GCAGGTCGAC	58	pop in
CAAGAAAGAA TAAGGAAACA CAAGGAGCAG GAGTCTCAGC TAGGGATAAC AGGGTAATTT GGATGGACGC AAAGAAGT	58	pop in
ATTAGCCAAG CAGTAGATAA AAATTGCAGT ATAGTCTCAT TTCGTACGCT GCAGGTCGAC	58	pop in
CCTTATTCTT CCGAAATGCG AAATGAGTTT ATATCACTTC TAGGGATAAC AGGGTAATTT GGATGGACGC AAAGAAGT	58	pop in
TGATTAATGT GAAATGCCGA CGTAAAGTCA GCAAGGTAGA TTCGTACGCT GCAGGTCGAC	58	pop in
GCGCCTTCGC TAATCACGTC GACGTCGGGC ATGGACTCCT TAGGGATAAC AGGGTAATTT GGATGGACGC AAAGAAG	58	pop in
CTCAGTATAT TAAGTTTCGA ATTGAAGGGC GAACTCTTAT TTCGTACGCT GCAGGTCGAC	58	pop in

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YP422 1267bp
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of KO with YP-125

Draft

Supplementary Figure S1. Distribution of overdominant heterosis (ODH) for population doubling time in *S. cerevisiae* diallel. ODH for each of the 120 hybrids grown in rich medium (YPD) at 37°C.

Supplementary Figure S2. Model-based ancestry for each strain with enforcement of the cluster number (K) to 6 . Plot is shown with color-coding representing the six clusters of the STRUCTURE analysis and our internal (YDF) coding of each strain is depicted below.

Supplementary Figure S3. Effect of diallel's parent population stratification in HTL analysis. Cumulative distribution function (CDF) plot of overdominant heterosis (ODH) values in candidate overdominant (YGR080W) and underdominant (YAR031W) heterotic trait loci (HTL). Left panes (A and C) depict distribution of the ODH values after these were normalized according to population structure, as compared to non-normalized original values in the right panes (B and D). The ODH values of the different genotypes (combination of alleles) in each locus are depicted with a green line for heterozygotes and red and blue lines for homozygotes. The distributions of the heterozygote ODH values are significantly different (KS test) from those of both homozygote groups, which are not different between them, only when population structure is considered (A and C). NS, Non-significant ($P=0.05$).