

1. Pracujte s tabulkami kritických hodnot na webu <http://cit.vfu.cz/statwelf/WELF/Teorie/tabulk>
2. Pokuste se identifikovat rozdělení na listu Rozdělení.
3. Usoďte-li, že je to možné, pokuste se transformovat vybraná rozdělení na normální a testovat nor
4. Vygenerujte libovolným způsobem 100 hodnot s normálním rozdělením o průměru 5 a vložte je na
5. Na listu Pravděpodobnost spočtete podle normalizované Z statistiky za pomoci uvedených tabulek i
6. Spočtete pravděpodobnost, že koncentrace látky patří do jednoho z uvedených koncentračních pás
7. Proč není součet pravděpodobností spočítaných v bodě 6 roven 100 %?
8. Na list Graf vložte sloupcový graf pravděpodobností v jednotlivých koncentračních pásmech. O jaký

[y.htm](#)

malitu jedním z dříve uvedených testů.

list 100 hodnot.

pravděpodobnost, že koncentrace je větší než $320 \mu\text{g}\cdot\text{m}^{-3}$.

ů.

graf se jedná?



Odhadované rozdělení

| | |
|-------------|-------------|
| 0.83724792 | 4.61609373 |
| 0.071849582 | 0.608915088 |
| 1.31989358 | 1.75820056 |
| 0.91985278 | 3.12215934 |
| 1.05892946 | 0.834213822 |
| 0.00178966 | 0.837800434 |
| 4.15915917 | 2.60094408 |
| 0.783542872 | 5.18533923 |
| 6.3284335 | 1.83451629 |
| 2.8073022 | 0.577465846 |
| 0.55203912 | 0.131489531 |
| 0.170394839 | 1.57231182 |
| 0.466027577 | 3.59915828 |
| 0.114185821 | 0.737232488 |
| 1.82758919 | 3.23633773 |
| 0.06192141 | 1.10017851 |
| 0.212036995 | 2.54890037 |
| 0.027526495 | 6.71745082 |
| 1.92801684 | 1.38264531 |
| 0.197521788 | 1.86910377 |
| 3.17377047 | 2.11712896 |
| 0.148811037 | 0.852968511 |
| 0.509351005 | 1.31825622 |
| 2.54132275 | 1.32066283 |
| 0.702876862 | 0.686375942 |
| 1.35738303 | 2.49307546 |
| 0.151739659 | 1.20225567 |
| 1.4738019 | 1.47478962 |
| 0.736150556 | 3.06457554 |
| 0.23096583 | 1.46358479 |
| 2.62476041 | 1.92808163 |
| 1.27594857 | 1.68589717 |
| 0.801732927 | 1.11047925 |
| 0.041726587 | 0.377271797 |
| 0.007679839 | 2.91477322 |
| 0.276265948 | 3.14393822 |
| 0.670956762 | 0.124067061 |
| 2.58507514 | 6.60228369 |
| 0.27611967 | 0.874037606 |
| 0.225459692 | 2.67779369 |
| 1.19013975 | 1.66673258 |
| 1.41750937 | 3.63083559 |
| 0.415386056 | 1.48066605 |
| 0.432010834 | 1.78854863 |
| 0.238463996 | 3.32665568 |

| | |
|-------------|-------------|
| 1.33154287 | 3.82992767 |
| 0.450007934 | 4.31767945 |
| 4.56566964 | 1.20549968 |
| 0.217266093 | 0.78527914 |
| 0.109468804 | 1.287577 |
| 2.50419308 | 2.14273821 |
| 2.10892388 | 1.07438398 |
| 0.146475326 | 2.80908187 |
| 2.09145502 | 2.19044442 |
| 1.0323149 | 0.770268925 |
| 1.20839546 | 1.02139249 |
| 0.640756396 | 0.297616571 |
| 2.99182239 | 2.50024209 |
| 0.342962777 | 2.08730876 |
| 0.348470398 | 6.04415206 |
| 0.717577255 | 1.81276428 |
| 4.12650122 | 0.275175607 |
| 0.286196837 | 1.51638096 |
| 0.578617728 | 0.84460481 |
| 0.239297224 | 0.319951028 |
| 0.282632072 | 1.26838315 |
| 0.336426601 | 2.01030092 |
| 0.047664427 | 0.609423593 |
| 0.306363653 | 0.480824807 |
| 3.36644643 | 7.53220842 |
| 1.12452852 | 1.04666112 |
| 1.89948372 | 0.840595134 |
| 0.807869479 | 1.18509793 |
| 0.579195923 | 3.74700644 |
| 1.94706915 | 0.04379697 |
| 0.318372743 | 0.575456954 |
| 0.14565372 | 0.881446614 |
| 0.073001802 | 3.51613664 |
| 3.642943 | 0.225511139 |
| 0.955024108 | 3.54284737 |
| 1.17439596 | 5.11648831 |
| 0.35404116 | 4.77127546 |
| 0.127717127 | 0.542940024 |
| 0.559676019 | 0.841594524 |
| 0.013213168 | 2.13143463 |
| 0.845784354 | 3.04816108 |
| 1.58616483 | 2.21548555 |
| 2.92493756 | 0.629703484 |
| 0.8879428 | 0.807477963 |
| 0.676715844 | 1.08919394 |
| 0.457851317 | 2.09421839 |
| 0.17733821 | 3.42135302 |
| 0.083952699 | 0.780820453 |
| 0.599107278 | 1.82457624 |
| 0.120531698 | 3.41610141 |

| | |
|-------------|-------------|
| 1.19676861 | 2.29244799 |
| 0.211791829 | 0.480155166 |
| 0.781846907 | 3.46911179 |
| 0.698858526 | 1.90171556 |
| 0.582511968 | 0.854716378 |
| 2.10778968 | 0.510274004 |
| 0.562664932 | 0.916306151 |
| 1.09936564 | 5.3219318 |
| 1.11520793 | 1.27234088 |
| 3.03945892 | 1.73072669 |
| 0.08684067 | 1.81653558 |
| 1.02121237 | 1.81428574 |
| 2.77746448 | 1.07878033 |
| 0.632487322 | 2.75477741 |
| 1.55247216 | 1.05716119 |
| 2.04898924 | 2.15940081 |
| 0.293944535 | 0.899142593 |
| 0.093653326 | 1.02888509 |
| 0.650956845 | 2.2555387 |
| 0.170131238 | 0.697397768 |
| 0.213744027 | 0.737077266 |
| 0.609283112 | 1.82877206 |
| 2.95394702 | 4.93463168 |
| 1.11271409 | 1.4241893 |
| 0.097610514 | 1.62858508 |
| 1.77790948 | 2.31114064 |
| 2.18945501 | 1.68989423 |
| 1.45191538 | 1.57714892 |
| 3.02504863 | 0.580265563 |
| 0.456428607 | 1.18611034 |
| 0.030115943 | 1.94990828 |
| 1.60698929 | 1.32987656 |
| 0.741315391 | 0.729600934 |
| 1.7750115 | 1.47247923 |
| 0.565989237 | 2.68195831 |
| 0.009658118 | 1.579176 |
| 0.858337562 | 1.27635909 |
| 3.41357508 | 3.67613896 |
| 0.266017496 | 1.93869757 |
| 0.445298201 | 0.460368279 |
| 1.27101806 | 5.15349806 |
| 0.449136228 | 3.81757384 |
| 2.44974553 | 0.528987738 |
| 0.332138975 | 3.86367505 |
| 1.7677909 | 0.706844576 |
| 0.633840103 | 2.73653881 |
| 0.61513267 | 1.05011975 |
| 0.364933827 | 0.838756134 |
| 0.311998794 | 0.800066359 |
| 1.33364097 | 1.6310202 |

| | |
|-------------|-------------|
| 0.146285194 | 0.698319612 |
| 0.559904481 | 0.161527938 |
| 0.734658215 | 3.21770993 |
| 0.053866186 | 0.6397556 |
| 1.66389728 | 2.14519842 |
| 2.72111221 | 1.08918206 |
| 1.92483172 | 1.33302262 |
| 0.023677949 | 0.685832303 |
| 1.40512725 | 1.07883025 |
| 1.06770377 | 1.85896045 |
| 0.155585431 | 4.52264183 |
| 0.508953107 | 0.586302277 |
| 0.822403634 | 0.9754086 |
| 2.8561089 | 1.11671893 |
| 2.23941914 | 1.40054741 |
| 1.96585367 | 1.02258165 |
| 0.338007904 | 4.26992807 |
| 1.3373911 | 2.75602117 |
| 0.032310725 | 0.347577689 |
| 4.91217069 | 3.13470814 |
| 0.048248182 | 0.635637236 |
| 0.112833071 | 1.5800683 |
| 0.17178676 | 3.40667741 |
| 0.543991994 | 4.65091707 |
| 1.11590067 | 1.46727351 |
| 0.611388324 | 3.84291768 |
| 0.470036269 | 1.54666776 |
| 0.627598202 | 0.616333586 |
| 0.520575581 | 1.22498683 |
| 2.56797765 | 1.79774217 |
| 0.600447856 | 3.64886864 |
| 0.445281438 | 0.140255427 |
| 0.168212555 | 1.12642104 |
| 0.333530399 | 0.485142655 |
| 1.3727197 | 3.67436274 |
| 1.51145509 | 0.875068062 |
| 0.161413737 | 3.10758573 |
| 1.20233229 | 0.766898408 |
| 0.226402946 | 2.99758114 |
| 2.64051996 | 1.57676057 |
| 1.28942431 | 1.41186142 |
| 0.742786886 | 1.63427787 |
| 0.184042864 | 1.55496852 |
| 1.09659705 | 2.56625876 |
| 0.409266674 | 0.729731357 |
| 0.013065471 | 0.402141192 |
| 1.30551638 | 1.8084492 |
| 0.136733356 | 2.31240748 |
| 0.289865101 | 1.35558121 |
| 0.193708209 | 1.57229014 |

| | |
|-------------|-------------|
| 1.24835625 | 2.53796924 |
| 0.203052413 | 0.830368488 |
| 1.79782033 | 1.59898138 |
| 0.345364928 | 3.4256358 |
| 1.52964334 | 2.97248557 |
| 1.47683769 | 1.52312287 |
| 1.13784654 | 1.10291339 |
| 1.01950384 | 1.02651991 |
| 0.224514608 | 2.18014946 |
| 0.404596521 | 0.80211554 |
| 0.145139149 | 1.18704592 |
| 4.90851049 | 2.04635116 |
| 1.38190968 | 3.96295443 |
| 1.62912671 | 1.5009308 |
| 0.088679532 | 0.534538257 |
| 0.230320969 | 0.893203077 |
| 0.498539972 | 3.02459871 |
| 0.196564319 | 1.164215 |
| 0.79396926 | 5.20428714 |
| 1.04947231 | 1.30259457 |
| 3.9482628 | 1.47220244 |
| 0.039829021 | 2.69434271 |
| 1.34529653 | 0.381240399 |
| 3.57263883 | 1.63498912 |
| 1.71071814 | 2.43012848 |
| 0.687191998 | 3.08107946 |
| 0.873303111 | 5.53732058 |
| 0.024609006 | 0.452874245 |
| 0.045423089 | 1.01064051 |
| 0.249551742 | 1.07511623 |
| 1.70745873 | 2.34719769 |
| 0.054801759 | 3.84253033 |
| 2.9042465 | 1.15508069 |
| 0.249344969 | 1.83182625 |
| 0.668053952 | 1.45329434 |
| 0.8368811 | 0.193992483 |
| 1.51629773 | 1.75974909 |
| 0.773130256 | 2.46870143 |
| 0.826950836 | 1.66837038 |
| 0.727730596 | 2.37913743 |
| 3.16572082 | 3.47822979 |
| 0.275805202 | 2.57631883 |
| 0.374995802 | 0.408381773 |
| 0.009302996 | 0.318578933 |
| 2.23732961 | 1.46805554 |
| 1.57526347 | 0.550416022 |
| 2.19090234 | 0.843313102 |
| 1.27524489 | 0.99624538 |
| 0.643176391 | 2.3333392 |
| 1.89824124 | 0.88006267 |

| | |
|-------------|-------------|
| 0.011105933 | 0.73733326 |
| 1.15276476 | 0.205982761 |
| 3.22591595 | 3.65914468 |
| 0.207569276 | 1.05183983 |
| 1.41447676 | 2.6144833 |
| 0.079445128 | 0.441257126 |
| 2.44489804 | 0.734865848 |
| 1.49361308 | 1.46594429 |
| 0.783563274 | 0.460325747 |
| 0.880387966 | 1.43516709 |
| 3.01867688 | 2.57914603 |
| 0.26580334 | 4.55569642 |
| 0.829493145 | 0.169658541 |
| 0.490134131 | 0.380581291 |
| 0.158977665 | 0.59805578 |
| 1.84388942 | 2.6291924 |
| 0.685018828 | 2.33515779 |
| 0.032380635 | 0.726233222 |
| 0.847714473 | 3.15801191 |
| 0.000573512 | 1.82135723 |
| 0.687063678 | 0.910507562 |
| 0.8934284 | 4.62896254 |
| 0.128870501 | 5.81189295 |
| 2.19384794 | 0.666334655 |
| 0.317144286 | 4.96922922 |
| 0.261517215 | 0.836704667 |
| 0.019029365 | 0.404215646 |
| 0.80409849 | 1.67371118 |
| 1.56525952 | 1.80972835 |
| 0.244849615 | 8.10498865 |
| 0.672673749 | 0.7887496 |
| 1.71287759 | 1.43814229 |
| 0.028964751 | 1.82076673 |
| 2.83909031 | 4.9234326 |
| 0.255605361 | 0.880131246 |
| 0.758893634 | 3.28148862 |
| 0.325463881 | 2.53273888 |
| 1.28329642 | 1.69578315 |
| 0.56659409 | 3.262265 |
| 3.4269338 | 1.66115834 |
| 0.140886086 | 5.47318827 |
| 0.977404368 | 4.99285271 |
| 0.323794545 | 2.23263605 |
| 0.23859043 | 1.78305981 |
| 0.63223575 | 5.42148511 |
| 0.867940213 | 1.08406635 |
| 0.920716861 | 0.947725553 |
| 2.94481578 | 0.93033719 |
| 0.729449691 | 2.95696917 |
| 0.393675152 | 0.579394132 |

| | |
|-------------|-------------|
| 2.09288739 | 2.01711765 |
| 0.99852236 | 1.30762502 |
| 1.47137153 | 1.16585892 |
| 0.902713106 | 1.51009003 |
| 1.1090153 | 1.59656778 |
| 4.88765208 | 1.41270028 |
| 0.827382564 | 5.68017942 |
| 0.695115657 | 4.78979001 |
| 2.03849707 | 3.04570821 |
| 1.32571698 | 3.74982103 |
| 0.465255583 | 4.12924851 |
| 2.28302126 | 1.41094861 |
| 2.12510343 | 1.94207923 |
| 0.903028098 | 3.55115513 |
| 0.04886062 | 1.68040374 |
| 0.232577979 | 0.527527871 |
| 0.36161954 | 0.608644192 |
| 0.567530997 | 0.384583956 |
| 1.11696009 | 2.68990994 |
| 0.215633165 | 0.894841157 |
| 0.226107136 | 5.76236686 |
| 0.598329306 | 1.13724486 |
| 0.655443646 | 0.723426239 |
| 0.833695677 | 1.43804639 |
| 1.83117767 | 0.540239499 |
| 0.34289817 | 1.40665441 |
| 0.357370194 | 1.94552655 |
| 0.182405258 | 4.07882067 |
| 0.276832459 | 6.37464507 |
| 3.08671511 | 4.86954427 |
| 2.19383125 | 1.22429525 |
| 5.34372722 | 1.51544363 |
| 0.393439746 | 1.06273556 |
| 0.151815827 | 2.76307722 |
| 0.598542871 | 3.45897103 |
| 2.91110108 | 1.85960455 |
| 0.057293498 | 2.36049981 |
| 1.06057503 | 0.954097647 |
| 0.581052448 | 1.480355 |
| 0.068189773 | 1.41983649 |
| 1.5433126 | 0.69225711 |
| 0.030987072 | 2.85666321 |
| 1.52070693 | 0.378987055 |
| 0.445122194 | 0.354495651 |
| 1.18780528 | 0.443454339 |
| 2.33882997 | 1.09548781 |
| 0.097480042 | 2.20451104 |
| 0.199746974 | 2.96442973 |
| 0.094458261 | 0.113631183 |
| 1.82182871 | 1.49956847 |

| | |
|-------------|-------------|
| 2.67682446 | 4.51228034 |
| 1.31647085 | 2.26299038 |
| 0.336056037 | 0.629475667 |
| 1.7919137 | 0.591623487 |
| 0.728997819 | 0.341249168 |
| 0.560779675 | 0.834320034 |
| 2.42581677 | 3.15780298 |
| 1.5929145 | 0.066434557 |
| 1.1239316 | 1.22221038 |
| 1.4519008 | 3.13989153 |
| 0.900011769 | 0.516578166 |
| 2.27883846 | 2.132955 |
| 0.347381738 | 1.80351103 |
| 0.837708277 | 0.590662649 |
| 0.086136751 | 2.43153447 |
| 0.821808633 | 2.980761 |
| 0.817276951 | 0.349982707 |
| 2.14733938 | 3.11653008 |
| 1.29867701 | 4.26262437 |
| 0.25921516 | 0.342879996 |
| 0.821871828 | 1.10544478 |
| 0.24447225 | 1.91904099 |
| 1.17119093 | 1.01659326 |
| 1.42728946 | 1.14001941 |
| 0.642161839 | 4.18206197 |
| 1.48342539 | 2.59932973 |
| 0.827675573 | 2.65472627 |
| 0.113576956 | 2.59210335 |
| 0.428889658 | 2.75435967 |
| 1.55245741 | 0.812188909 |
| 0.241989344 | 0.640242973 |
| 0.163853254 | 1.96651415 |
| 2.75886345 | 1.73463365 |
| 2.0882464 | 1.87837154 |
| 1.66511257 | 1.77556531 |
| 0.829122124 | 3.08288005 |
| 0.491044236 | 2.37750213 |
| 1.1481339 | 1.60208814 |
| 0.114486069 | 1.85282759 |
| 0.111604515 | 1.82485939 |
| 0.043455544 | 0.840734134 |
| 2.77220905 | 1.9881803 |
| 1.25120405 | 2.11039418 |
| 0.291202582 | 3.0780831 |
| 0.9504579 | 4.72365834 |
| 0.900462062 | 0.327756453 |
| 0.014012899 | 1.60248314 |
| 0.146825374 | 1.10016087 |
| 0.075054424 | 1.22918908 |
| 0.376368493 | 0.820776218 |

| | |
|-------------|-------------|
| 1.75116203 | 2.06113641 |
| 2.21362484 | 3.78826516 |
| 3.32696407 | 1.99623137 |
| 0.16122473 | 2.12748454 |
| 0.254169052 | 1.29441426 |
| 0.115732079 | 1.50694729 |
| 2.6490067 | 0.472640381 |
| 0.008627269 | 3.28476857 |
| 3.84387175 | 0.196646401 |
| 0.437114896 | 7.15535892 |
| 2.35412221 | 4.33445306 |
| 1.25565571 | 0.722553626 |
| 2.73881236 | 1.39014333 |
| 0.701315675 | 0.898731607 |
| 1.82729147 | 1.00950886 |
| 1.86676978 | 1.6706288 |
| 1.50907065 | 1.28158632 |
| 2.64601556 | 1.40894639 |
| 0.710458773 | 0.796396712 |
| 0.970545316 | 1.05022398 |
| 0.872928448 | 2.66010697 |
| 4.00212312 | 0.821333127 |
| 1.17367914 | 2.08599208 |
| 0.125204355 | 1.05698032 |
| 0.286890002 | 1.9253107 |
| 0.616386979 | 1.32684756 |
| 0.942340492 | 0.871378871 |
| 2.12689892 | 0.844299018 |
| 0.765041087 | 2.49765744 |
| 0.225237123 | 0.446244761 |
| 1.68098298 | 2.3100758 |
| 1.13394234 | 2.34017885 |
| 1.20479991 | 1.48494512 |
| 1.38945768 | 2.26006783 |
| 0.018111029 | 3.19297985 |
| 0.594952906 | 3.10247837 |
| 0.943626822 | 1.1456328 |
| 0.042616986 | 1.91300355 |
| 1.05834121 | 0.569952356 |
| 0.75511437 | 1.47917392 |
| 0.085590375 | 2.5568409 |
| 1.49792085 | 0.316371298 |
| 0.226123455 | 0.964545518 |
| 2.09797777 | 4.27875226 |
| 0.206018545 | 0.886727611 |
| 0.557720019 | 2.86630352 |
| 0.674619787 | 1.28427357 |
| 0.254875731 | 1.92050222 |
| 0.781810845 | 1.09685887 |
| 0.787420337 | 2.56024572 |

| | |
|-------------|-------------|
| 0.587207436 | 3.30026843 |
| 0.184186075 | 3.37438681 |
| 1.60970354 | 0.793800293 |
| 0.670138319 | 1.84912423 |
| 1.02343603 | 0.572026677 |
| 3.4415223 | 0.930064736 |
| 0.426516194 | 0.638736158 |
| 1.98356716 | 1.17819658 |
| 1.21341771 | 0.970248554 |
| 0.068149539 | 0.223322084 |
| 0.619032566 | 4.34064452 |
| 0.461436382 | 2.46772 |
| 0.937671978 | 1.93984376 |
| 0.301089901 | 1.49721342 |
| 0.034601074 | 1.27342684 |
| 1.10945092 | 4.13866329 |
| 4.5627402 | 2.87332388 |
| 0.871374625 | 2.93299776 |
| 0.483487226 | 0.767181957 |
| 0.655687176 | 3.0045467 |
| 1.30195949 | 0.455157779 |
| 2.97549219 | 6.03252462 |
| 0.002702231 | 3.06463273 |
| 0.996741885 | 0.525557239 |
| 0.306233822 | 2.51163241 |
| 0.05542934 | 1.9886226 |
| 0.925079887 | 1.34889746 |
| 0.587783604 | 0.568419525 |
| 0.209035143 | 2.54997788 |
| 1.38812498 | 4.74103051 |
| 1.65554793 | 1.4551925 |
| 1.61783268 | 3.26804771 |
| 0.313409448 | 0.411195489 |
| 0.41197711 | 2.49219056 |
| 0.360838008 | 2.36601967 |
| 0.569799886 | 0.991450101 |
| 0.757131167 | 3.13884519 |
| 0.537403577 | 0.610727122 |
| 1.25872712 | 0.605510232 |
| 0.125805764 | 0.776591504 |
| 1.01015454 | 0.181142373 |
| 1.64238161 | 1.92357469 |
| 2.47991047 | 3.33157338 |
| 0.696533408 | 1.36571292 |
| 1.48553765 | 1.67964589 |
| 0.299036314 | 0.489231875 |
| 0.362041019 | 4.50613721 |
| 3.38373654 | 1.28208846 |
| 0.40326604 | 2.78006595 |
| 0.170220786 | 0.352288935 |

| | |
|-------------|-------------|
| 1.89057914 | 2.39040799 |
| 0.778678744 | 1.45521521 |
| 0.952152519 | 0.573367229 |
| 1.0868349 | 0.172199591 |
| 2.51825047 | 1.66700694 |
| 1.31287518 | 1.36749775 |
| 1.45843425 | 4.15009666 |
| 0.196303867 | 1.78150094 |
| 1.51714613 | 2.8725123 |
| 1.57393266 | 3.00846641 |
| 1.09244611 | 2.56041277 |
| 1.00655363 | 0.713994133 |
| 0.898018511 | 2.32335174 |
| 0.684328674 | 1.21720102 |
| 1.66041377 | 1.55932366 |
| 0.043833393 | 3.69953505 |
| 0.831486111 | 4.95652461 |
| 0.443091749 | 0.738782067 |
| 1.60057362 | 1.67513123 |
| 0.921485774 | 5.48436495 |
| 0.515960502 | 0.970219542 |
| 0.228361815 | 2.22227022 |
| 1.41137478 | 1.47405587 |
| 0.09709327 | 4.09431625 |
| 1.40555068 | 0.725521362 |
| 1.1039705 | 3.24156467 |
| 0.672236001 | 1.60276798 |
| 1.92363646 | 0.937415558 |
| 0.136761506 | 0.234772361 |
| 1.10122968 | 0.185474388 |
| 0.741506449 | 3.96540802 |
| 0.429440145 | 2.37169903 |
| 1.17552308 | 0.789983264 |
| 2.3143129 | 0.230982688 |
| 0.820584626 | 1.09108065 |
| 0.410650944 | 0.669301037 |
| 0.012667022 | 2.95594802 |
| 1.25853452 | 2.13130282 |
| 1.77863123 | 1.8612091 |
| 0.177317746 | 4.90715245 |
| 3.28484206 | 5.16184317 |
| 0.231391498 | 1.68143201 |
| 3.3424449 | 3.52495049 |
| 1.08165161 | 1.69265475 |
| 0.087074282 | 2.28194735 |
| 1.08722437 | 2.69768978 |
| 0.30508413 | 3.07173161 |
| 1.08818426 | 2.42904672 |
| 1.53605776 | 8.63045471 |
| 0.256775133 | 1.78608317 |

| | |
|-------------|-------------|
| 0.146175768 | 0.850729577 |
| 0.513917862 | 4.51690596 |
| 1.02633963 | 2.06146048 |
| 0.028817402 | 5.63718843 |
| 2.03393328 | 0.843769048 |
| 0.608540752 | 2.87783551 |
| 0.002892728 | 1.31861779 |
| 4.39975082 | 3.5524987 |
| 0.450543558 | 1.20818689 |
| 0.286279234 | 4.10351578 |
| 0.17142226 | 2.12593187 |
| 2.85147823 | 0.095435091 |
| 1.96422927 | 1.6692841 |
| 0.262358444 | 0.338507469 |
| 0.998576761 | 1.79648092 |
| 0.225798962 | 3.71407201 |
| 0.552240996 | 0.779698927 |
| 0.042031964 | 1.34258139 |
| 0.161379022 | 0.482034229 |
| 0.003606068 | 1.69949816 |
| 0.464395833 | 4.03954218 |
| 0.806323701 | 0.948584743 |
| 0.048944824 | 0.849687423 |
| 0.06686111 | 1.07735251 |
| 0.153648497 | 1.55370826 |
| 1.38724962 | 2.26698434 |
| 0.507275687 | 1.32883198 |
| 0.449206635 | 1.79159883 |
| 0.385404091 | 1.34439323 |
| 1.43854398 | 1.29183984 |
| 3.13099675 | 3.64823508 |
| 2.94913741 | 2.04876176 |
| 0.019291998 | 1.29570171 |
| 0.479387388 | 0.190461417 |
| 0.975591947 | 0.573216866 |
| 0.122971053 | 1.61379319 |
| 0.418401746 | 0.422828644 |
| 7.75812576 | 3.75821849 |
| 0.325211521 | 1.06791045 |
| 1.73388924 | 0.293325538 |
| 0.108861311 | 3.04051653 |
| 1.16469556 | 0.713397159 |
| 0.077369873 | 0.589824993 |
| 0.322212503 | 0.452035071 |
| 0.423811873 | 2.20309513 |
| 0.911163185 | 3.13330942 |
| 0.017596954 | 0.130133245 |
| 0.427997423 | 2.94192589 |
| 3.91402653 | 0.374051533 |
| 2.24342032 | 1.35832247 |

| | |
|-------------|-------------|
| 1.00238969 | 2.63300017 |
| 0.578813589 | 2.63214826 |
| 1.94623845 | 3.26371303 |
| 0.016657506 | 3.91734882 |
| 2.85495041 | 3.8458557 |
| 2.41706611 | 1.28500154 |
| 0.023760032 | 0.272371041 |
| 0.596823313 | 0.364814263 |
| 2.8806524 | 2.30759798 |
| 0.04603999 | 3.86406409 |
| 0.592948601 | 1.42111982 |
| 0.469622806 | 4.90755057 |
| 0.429192782 | 2.53611772 |
| 2.98918121 | 2.62532238 |
| 0.181230934 | 2.73182538 |
| 0.167167008 | 1.30786348 |
| 0.065535938 | 2.60051759 |
| 0.138835497 | 3.6621414 |
| 0.203658903 | 5.46949072 |
| 0.046872573 | 3.16195454 |
| 0.393656838 | 3.46487962 |
| 2.70234866 | 0.878961888 |
| 1.36849563 | 4.60334571 |
| 0.599753472 | 1.02226236 |
| 0.587730048 | 5.64403553 |
| 0.00862533 | 1.74921397 |
| 0.634284082 | 1.39928548 |
| 2.02085345 | 1.87977135 |
| 1.95979925 | 2.93906126 |
| 0.223602329 | 3.96696832 |
| 0.89636397 | 2.6142125 |
| 1.05710019 | 3.10955563 |
| 1.26038134 | 1.82897906 |
| 2.0146891 | 2.58602504 |
| 0.126592922 | 1.7475858 |
| 1.79916483 | 1.22941928 |
| 0.406814515 | 0.12622778 |
| 2.69671938 | 3.36058768 |
| 1.67452786 | 2.38166854 |
| 0.268906951 | 2.81445237 |
| 0.294686687 | 6.11616225 |
| 1.38237844 | 2.80167717 |
| 4.10726959 | 3.09498444 |
| 1.55294766 | 0.961176156 |
| 1.42319708 | 0.465623513 |
| 0.839766201 | 1.27704079 |
| 0.978252961 | 0.710204636 |
| 1.9379273 | 0.618777911 |
| 0.091712891 | 0.714815528 |
| 0.298734083 | 1.52555833 |

| | |
|-------------|-------------|
| 0.934490371 | 3.48760066 |
| 0.340354313 | 1.82967786 |
| 0.19409924 | 1.95743663 |
| 1.92669301 | 4.56668208 |
| 0.133162613 | 0.902063885 |
| 0.246495566 | 0.848487375 |
| 0.848013135 | 0.555998514 |
| 1.16203346 | 0.33744729 |
| 0.043003495 | 3.88735936 |
| 1.09429156 | 0.975282585 |
| 0.99485628 | 4.47863464 |
| 1.22472325 | 6.50779772 |
| 5.19550954 | 2.6780247 |
| 2.16983112 | 1.07617509 |
| 2.58587844 | 1.19674067 |
| 0.04681709 | 1.69393328 |
| 1.32243371 | 0.260129859 |
| 1.9035063 | 1.60895196 |
| 2.93491292 | 0.590552203 |
| 0.498551984 | 3.24441046 |
| 0.198109924 | 3.01216315 |
| 0.017889604 | 8.46945153 |
| 0.336394896 | 1.28117486 |
| 0.06193049 | 1.04456508 |
| 0.237630699 | 2.75964167 |
| 0.936825803 | 3.59138705 |
| 0.20233926 | 0.714298511 |
| 0.003517599 | 0.642020815 |
| 0.277570822 | 2.01269135 |
| 1.20790785 | 1.24367868 |
| 0.083454581 | 2.50785616 |
| 0.856035253 | 2.67226805 |
| 0.371441171 | 2.54559264 |
| 1.67863438 | 0.478417657 |
| 0.446327967 | 0.14020326 |
| 4.16358148 | 0.443202625 |
| 1.13146655 | 0.804911262 |
| 0.064337498 | 3.44841883 |
| 0.543935771 | 2.73868696 |
| 3.49990199 | 2.7970328 |
| 5.47679512 | 2.96796846 |
| 1.38537862 | 1.21651345 |
| 1.63169039 | 2.75243147 |
| 2.75466794 | 1.15101994 |
| 0.879676556 | 0.952589936 |
| 2.14110639 | 1.50674039 |
| 5.19918005 | 3.43733414 |
| 0.953084902 | 1.37164207 |
| 0.034651174 | 5.33339387 |
| 0.253488427 | 2.95842418 |

| | |
|-------------|-------------|
| 2.6552544 | 1.99726699 |
| 0.578013562 | 3.55252083 |
| 2.64303896 | 0.325758892 |
| 0.349580275 | 0.784513016 |
| 0.19604993 | 1.83140582 |
| 0.066420914 | 1.4986752 |
| 0.380578558 | 0.458686219 |
| 2.15917424 | 1.8191082 |
| 0.142280956 | 0.428741677 |
| 0.289301932 | 0.916077679 |
| 1.99350069 | 3.29531123 |
| 0.447724665 | 2.10133936 |
| 1.73467695 | 1.71389378 |
| 2.47374463 | 3.55977468 |
| 0.279602291 | 0.204579396 |
| 0.970432072 | 2.71118784 |
| 1.99845382 | 3.31745846 |
| 1.12317274 | 1.12861061 |
| 0.315665111 | 2.57938661 |
| 0.348733674 | 3.67536049 |
| 1.50118819 | 0.546575077 |
| 2.24315194 | 2.35887766 |
| 2.19033384 | 0.403751476 |
| 3.75353686 | 3.42212532 |
| 0.462059465 | 2.91542462 |
| 3.36346238 | 2.99419407 |
| 1.99654976 | 1.28918364 |
| 4.67355834 | 2.55240433 |
| 0.862147985 | 2.53152867 |
| 0.384552448 | 2.89199151 |
| 1.54385122 | 0.200017421 |
| 2.15961714 | 1.21698994 |
| 1.14197727 | 0.81154848 |
| 0.617625598 | 0.900700124 |
| 0.648976714 | 2.45534034 |
| 3.96124773 | 3.63209672 |
| 0.100888151 | 0.11302803 |
| 1.4894585 | 4.29579059 |
| 0.068248066 | 2.06629998 |
| 0.211172736 | 2.40051041 |
| 1.47068858 | 4.87511324 |
| 0.454641621 | 1.92486859 |
| 1.6669226 | 2.92120837 |
| 0.450051699 | 1.18649127 |
| 0.085454958 | 0.35767096 |
| 0.297984009 | 1.00691705 |
| 3.05106424 | 4.23457528 |
| 0.864935622 | 2.11063873 |
| 0.344521556 | 0.423301933 |
| 1.37514915 | 2.07861782 |

| | |
|-------------|-------------|
| 0.321178068 | 3.35977698 |
| 0.491807542 | 0.66457087 |
| 3.68583292 | 1.47365692 |
| 2.18270284 | 1.39683795 |
| 1.17027362 | 1.22050792 |
| 0.772154073 | 2.68801731 |
| 1.34569589 | 3.67183793 |
| 1.68931312 | 1.10614396 |
| 0.471417348 | 3.4945656 |
| 4.61985871 | 1.32186809 |
| 5.39919329 | 1.55117805 |
| 0.531504475 | 2.35801047 |
| 0.118217332 | 0.697503296 |
| 2.20811083 | 3.25434758 |
| 1.83308013 | 3.93875383 |
| 0.412519513 | 1.77104854 |
| 1.37386794 | 2.91181348 |
| 1.29652435 | 0.47098376 |
| 3.65440776 | 1.40272849 |
| 1.09699276 | 3.26776066 |
| 6.43666719 | 0.515159408 |
| 1.29731857 | 2.21154974 |
| 0.256271962 | 1.41298511 |
| 0.006916115 | 1.27790428 |
| 1.97513635 | 0.422041234 |
| 0.74404381 | 0.77878981 |
| 0.662726 | 2.8148088 |
| 0.132634632 | 1.13612613 |
| 2.04386167 | 0.332627747 |
| 1.11733173 | 2.70804324 |
| 0.324252481 | 4.66885434 |
| 0.159515355 | 2.48478755 |
| 0.733290128 | 0.379446129 |
| 0.214214239 | 0.554539501 |
| 3.08604097 | 0.119792771 |
| 1.86036123 | 2.75571467 |
| 1.79451762 | 2.27204409 |
| 0.80832187 | 3.63324867 |
| 1.57491197 | 5.61111081 |
| 1.24998354 | 0.533713981 |
| 0.852927418 | 1.60228435 |
| 1.6734595 | 1.78943413 |
| 0.441732434 | 3.17705539 |
| 0.758433254 | 5.00076604 |
| 2.42598702 | 1.45066981 |
| 0.217756927 | 0.424527059 |
| 0.428354755 | 1.18776178 |
| 1.73671216 | 0.720021311 |
| 1.0311711 | 4.43439138 |
| 1.92842115 | 2.31202023 |

| | |
|-------------|-------------|
| 0.992009019 | 1.6263923 |
| 1.03325668 | 2.03014116 |
| 1.02922001 | 3.52856315 |
| 0.423685394 | 2.30920988 |
| 0.086219051 | 2.16092686 |
| 2.64695369 | 3.92149744 |
| 0.261173239 | 1.96021284 |
| 0.390988593 | 1.86179425 |
| 2.05922838 | 4.1130688 |
| 0.083341172 | 0.599737056 |
| 0.50245587 | 0.917080289 |
| 0.496157332 | 0.940392532 |
| 0.888914163 | 4.77626157 |
| 0.634995941 | 0.804395525 |
| 1.02141269 | 1.95180669 |
| 1.97589647 | 1.45903239 |
| 1.07041607 | 1.57664613 |
| 0.20569401 | 1.53263052 |
| 3.97246288 | 0.276338286 |
| 0.44034032 | 2.01815287 |
| 0.251519517 | 1.37294448 |
| 0.065897506 | 1.14911236 |
| 1.11986627 | 1.19457471 |
| 0.459159415 | 2.39564218 |
| 0.232636048 | 1.41122978 |
| 2.40743786 | 2.54822203 |
| 0.653004617 | 0.534068218 |
| 0.545878187 | 4.31725398 |
| 2.8595913 | 1.03139076 |
| 5.05743759 | 1.11755182 |
| 1.65233681 | 7.07356886 |
| 0.223107974 | 0.972078284 |
| 0.622083279 | 4.11585635 |
| 0.186892849 | 1.1150537 |
| 1.40654295 | 1.24746839 |
| 1.95835136 | 4.44798692 |
| 1.57262106 | 3.20707758 |
| 0.731840332 | 1.24990319 |
| 0.1365464 | 1.38411442 |
| 1.85927419 | 0.165988434 |
| 2.93437103 | 4.83088784 |
| 0.655158786 | 0.75851852 |
| 0.040885472 | 0.997160428 |
| 0.180251497 | 1.52823502 |
| 2.43169541 | 1.31065827 |
| 1.56285639 | 1.52691178 |
| 0.898259826 | 0.391438442 |
| 0.158298033 | 0.491308377 |
| 0.499448386 | 0.646475391 |
| 1.1981705 | 1.27552193 |

| | |
|-------------|-------------|
| 0.114920065 | 2.91180594 |
| 2.19837251 | 0.264590693 |
| 0.016313667 | 2.11774907 |
| 5.09771852 | 2.91390405 |
| 0.082013429 | 0.52287039 |
| 1.08504756 | 0.57405586 |
| 2.84192871 | 0.658793112 |
| 0.927544482 | 2.72702987 |
| 3.74194897 | 2.85812628 |
| 0.270808626 | 1.57147835 |
| 0.903353072 | 0.141781901 |
| 2.95385496 | 0.583620448 |
| 1.51952629 | 1.43079922 |
| 0.889001942 | 1.0594738 |
| 1.07053223 | 2.22023126 |
| 0.778968567 | 1.61005783 |
| 0.826191678 | 1.52395699 |
| 1.19281113 | 6.12544291 |
| 1.24791759 | 1.54841138 |
| 0.534215844 | 0.885896503 |
| 1.28877352 | 2.14258961 |
| 2.11534059 | 2.1196186 |
| 0.371455934 | 9.76771874 |
| 1.15713418 | 1.89928498 |
| 0.719174372 | 2.95474555 |
| 0.281492184 | 2.61633031 |
| 0.425975238 | 1.44925347 |
| 0.96207238 | 0.374790142 |
| 1.76610851 | 0.671922898 |
| 0.489754067 | 0.787559328 |
| 1.55132934 | 1.77112723 |
| 0.237131331 | 1.16596429 |
| 1.8128833 | 3.55510331 |
| 3.38360739 | 0.740296612 |
| 2.47556286 | 3.39896971 |
| 0.115487032 | 1.65881358 |
| 1.04 | 4.44103958 |
| 1.38568151 | 3.0347484 |
| 2.87259998 | 0.442653006 |
| 0.170882395 | 0.74658241 |
| 0.054453347 | 0.855055146 |
| 0.011771965 | 1.68867692 |
| 2.40028033 | 1.28304701 |
| 1.88059211 | 2.5322122 |
| 0.659591407 | 2.95701179 |
| 0.506117386 | 0.981398336 |
| 2.15130897 | 2.03215614 |
| 1.5524495 | 1.86266215 |
| 2.81215389 | 2.8735091 |
| 0.062789106 | 0.532074561 |

| | |
|-------------|-------------|
| 0.105062762 | 0.767546974 |
| 0.246272355 | 0.930173788 |
| 0.231211011 | 0.783950055 |
| 0.712833065 | 1.53135836 |
| 0.700070534 | 0.841751127 |
| 3.58495334 | 0.778493048 |
| 0.785294236 | 2.38485843 |
| 0.585891441 | 2.17922653 |
| 0.401994066 | 3.17854446 |
| 0.724331201 | 3.75717943 |
| 0.058729584 | 3.9644219 |
| 0.312122242 | 1.75132666 |
| 2.94269636 | 2.16737179 |
| 0.858852562 | 0.839317794 |
| 0.406705118 | 1.42984104 |
| 0.309354386 | 2.19255892 |
| 0.939410386 | 2.91348596 |
| 0.580644381 | 0.532489757 |
| 2.01753463 | 5.80577262 |
| 0.187692045 | 1.16985689 |
| 0.784393757 | 0.118250016 |
| 0.617206905 | 5.07226222 |
| 5.54507969 | 1.92444085 |
| 0.702144084 | 2.90636894 |
| 0.493168849 | 2.2407596 |
| 0.150266136 | 0.216817374 |
| 0.207268236 | 5.84594071 |
| 0.802386713 | 1.24070607 |
| 1.85535218 | 1.3563584 |
| 1.30000073 | 1.52027944 |
| 1.37249508 | 1.90576525 |
| 0.333456222 | 0.880007555 |
| 1.00854875 | 2.49217085 |
| 0.193286773 | 3.02012476 |
| 0.092371802 | 1.97694485 |
| 1.39209823 | 0.583098707 |
| 0.813549629 | 0.638428178 |
| 2.21405965 | 2.76455213 |
| 0.588807046 | 0.130519115 |
| 2.58510917 | 2.80277957 |
| 0.840488181 | 1.45962222 |
| 0.882174114 | 2.858004 |
| 0.522900453 | 1.66493908 |
| 1.32154273 | 2.32009686 |
| 1.75491343 | 1.11725468 |
| 0.540856005 | 1.59887491 |
| 2.36871986 | 1.43484347 |
| 0.520015313 | 2.53495275 |
| 0.239629189 | 1.56402238 |
| 1.35761281 | 0.763467572 |

| | |
|-------------|-------------|
| 0.135026405 | 2.46476736 |
| 1.65874722 | 0.522013107 |
| 0.817188581 | 2.73186533 |
| 0.323532092 | 1.04215656 |
| 1.93321805 | 0.982278969 |
| 0.13156068 | 1.90980317 |
| 0.478158405 | 0.863719956 |
| 0.126997356 | 2.83277033 |
| 1.60359178 | 2.93439867 |
| 2.4583323 | 0.748879851 |
| 0.195518219 | 3.54911373 |
| 1.01952607 | 3.04049428 |
| 0.031587493 | 1.00369703 |
| 1.14651368 | 1.46137224 |
| 2.10151468 | 1.695374 |
| 0.230395732 | 0.651309636 |
| 2.20416748 | 3.31125817 |
| 0.777798687 | 3.32208976 |
| 0.558474425 | 3.47570696 |
| 1.45511993 | 3.86062266 |
| 1.09910839 | 1.43400732 |
| 0.289433633 | 3.57982011 |
| 1.38791401 | 1.60933092 |
| 2.03059285 | 1.44653446 |
| 0.299909897 | 1.63219273 |
| 0.076720114 | 1.72390983 |
| 0.352273496 | 0.960201188 |
| 0.488890145 | 4.48783209 |
| 0.139170235 | 3.72316907 |
| 0.398129412 | 1.71726525 |
| 1.19910005 | 1.51613109 |
| 1.24663878 | 1.47276636 |
| 1.8286937 | 0.728007496 |
| 1.70239633 | 1.3693002 |
| 0.094800038 | 1.77279014 |
| 1.01733685 | 1.98661264 |
| 0.904056588 | 1.14788066 |
| 0.006647983 | 1.57221605 |
| 2.17107547 | 2.59153795 |
| 0.206631104 | 1.62883287 |
| 0.457848358 | 0.24081517 |
| 1.88862893 | 3.28486186 |
| 1.68861885 | 2.79761405 |
| 0.38266099 | 2.72421538 |
| 0.436888235 | 1.71739539 |
| 1.07962992 | 2.92879154 |
| 2.15301518 | 0.912011631 |
| 0.015894167 | 3.18452271 |
| 1.73413458 | 6.2451032 |
| 0.744064257 | 2.53301864 |



1.2849908
1.80082623
1.47522243
0.159605346
0.865840887

0.664648515
0.754649791
1.92958253
1.03276467
2.9255537

| | | | | |
|-------------|-------------|------------|------------|---|
| | | | | |
| 3.26290358 | 0.943696128 | 3.64258028 | 4.45608219 | 3 |
| 9.70192921 | 0.430030242 | 2.27420464 | 5.7382018 | 0 |
| 7.07101415 | 0.452449665 | 3.65780734 | 1.48498348 | 0 |
| 4.28991919 | 1.08700354 | 2.42844959 | 1.75744318 | 1 |
| 2.24728478 | 0.637960326 | 3.98020874 | 5.47427702 | 0 |
| 9.58439219 | 0.385202714 | 4.74212918 | 2.05390924 | 1 |
| 7.92119846 | 0.888666509 | 5.39536208 | 4.09100813 | 0 |
| 0.863716153 | 0.508818312 | 4.1553429 | 3.83404057 | 0 |
| 5.96511877 | 0.958985606 | 3.24255846 | 1.89414694 | 1 |
| 5.37570545 | 1.11013093 | 4.89032651 | 2.91389649 | 1 |
| 4.86624839 | 0.831230295 | 2.87728907 | 6.61097553 | 0 |
| 7.9652391 | 1.47842809 | 4.73857063 | 3.35037361 | 1 |
| 7.18263541 | 0.51763942 | 1.73431205 | 8.48091098 | 0 |
| 1.94543702 | 0.778830538 | 3.18089944 | 9.08705423 | 1 |
| 2.19359963 | 1.12606135 | 3.14744279 | 5.31762353 | 0 |
| 3.62330893 | 0.73229543 | 2.45595489 | 4.15662717 | 0 |
| 5.44930288 | 0.196746924 | 3.65791974 | 5.2310288 | 2 |
| 4.78998244 | 0.422268736 | 11.242188 | 4.58892052 | 1 |
| 8.65718203 | 0.37690687 | 1.46913987 | 2.44022348 | 1 |
| 0.446404205 | 0.749986089 | 6.59317111 | 1.41464975 | 0 |
| 1.74982443 | 1.39092854 | 3.94508208 | 4.11731541 | 0 |
| 8.20333403 | 0.516043929 | 4.31991121 | 5.63501984 | 0 |
| 4.04724664 | 0.698933438 | 3.92696248 | 5.01687963 | 6 |
| 4.16136402 | 0.958285142 | 7.70828813 | 3.54237354 | 2 |
| 9.40333299 | 0.609235015 | 2.43438265 | 5.44411379 | 1 |
| 5.63651057 | 0.405727458 | 3.49995637 | 4.33317227 | 1 |
| 3.9427647 | 0.602162755 | 8.1244091 | 3.38044449 | 0 |
| 5.46180571 | 0.799992903 | 2.8720639 | 3.75150181 | 0 |
| 2.98255071 | 1.75867078 | 3.64566971 | 6.28405233 | 0 |
| 0.809379239 | 0.847613917 | 3.91096717 | 6.71780021 | 0 |
| 6.75934661 | 1.78470666 | 5.39051044 | 1.70609794 | 0 |
| 0.125460352 | 0.602874171 | 3.4555584 | 6.17447267 | 4 |
| 6.4736633 | 1.01375942 | 6.82342869 | 1.53119298 | 0 |
| 2.82735015 | 0.973589558 | 3.8761521 | 4.03022949 | 4 |
| 4.69542382 | 0.695888515 | 8.11860285 | 4.69174737 | 0 |
| 5.488029 | 1.15859087 | 3.91584124 | 2.47314385 | 1 |
| 9.80000649 | 1.28487194 | 3.68093389 | 4.56814133 | 2 |
| 2.52981674 | 0.811424673 | 1.95160718 | 5.13330569 | 0 |
| 7.12683624 | 0.30176571 | 3.31608657 | 3.92517482 | 1 |
| 1.83423823 | 0.832734715 | 3.49648668 | 3.62199729 | 1 |
| 7.93019075 | 0.433209241 | 3.35563429 | 3.93240781 | 1 |
| 2.08007314 | 0.924535488 | 2.81465134 | 4.61246642 | 2 |
| 9.92599539 | 0.848284264 | 2.98220365 | 4.95739961 | 0 |
| 6.70108591 | 1.26098292 | 9.05577139 | 2.84829568 | 1 |
| 4.70749084 | 1.217107 | 5.49529653 | 4.88614503 | 0 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 7.27728685 | 0.748016717 | 3.11386497 | 3.050163 | 0 |
| 6.72914126 | 1.73823615 | 4.40751783 | 1.87858063 | 0 |
| 2.40223971 | 1.30641105 | 8.36708102 | 3.46789411 | 1 |
| 2.3670483 | 0.43749231 | 3.53702901 | 3.68206138 | 1 |
| 1.2381821 | 1.26300237 | 4.65498669 | 0.889635497 | 0 |
| 7.84160511 | 0.535398288 | 5.5525804 | 0.995908441 | 0 |
| 5.17471471 | 0.300064326 | 7.17921745 | 3.35410491 | 0 |
| 0.117250641 | 0.711834236 | 2.38528129 | 3.9802728 | 0 |
| 1.18802244 | 1.04811929 | 3.44519113 | 2.24900425 | 2 |
| 9.32234298 | 0.905217468 | 3.6756243 | 5.60156967 | 0 |
| 2.88576387 | 0.928882341 | 2.13438479 | 4.88548778 | 0 |
| 9.40664098 | 0.489609753 | 3.63778477 | 5.76389176 | 2 |
| 2.23420467 | 0.901182898 | 2.34732834 | 4.8365108 | 1 |
| 9.59688556 | 0.85923329 | 5.54529954 | 6.31341028 | 3 |
| 8.55456247 | 1.71826586 | 4.44208832 | 3.03699163 | 0 |
| 5.68246523 | 0.189329697 | 6.63473311 | 5.57978692 | 1 |
| 3.38114065 | 0.473666435 | 5.36108282 | 3.45555332 | 0 |
| 4.15980907 | 0.337055819 | 2.81499049 | 5.42687997 | 0 |
| 8.93378986 | 0.274977168 | 3.6758382 | 4.74796921 | 0 |
| 2.2308222 | 1.52090035 | 2.62617724 | 3.21235179 | 0 |
| 8.19469695 | 0.479263382 | 3.11744143 | 4.5084163 | 3 |
| 7.88809959 | 0.917116676 | 4.79370716 | 5.08413653 | 1 |
| 6.08197488 | 0.646731118 | 3.07617685 | 2.82284327 | 0 |
| 0.485396609 | 0.467104965 | 4.56464458 | 5.5110548 | 0 |
| 4.31906746 | 2.30790301 | 5.24608146 | 4.71251113 | 3 |
| 0.822722241 | 0.66028428 | 4.56962693 | 3.36710802 | 0 |
| 7.68842133 | 0.339281322 | 2.78195084 | 2.12137971 | 0 |
| 8.58136965 | 1.03682942 | 7.07053321 | 5.8423055 | 0 |
| 5.77471828 | 1.03788534 | 5.50474685 | 4.87629835 | 0 |
| 7.15872766 | 0.364250084 | 8.14049645 | 5.89211735 | 2 |
| 8.89257425 | 0.456584505 | 6.46335318 | 4.7964227 | 0 |
| 5.10879893 | 0.665985268 | 5.10687745 | 2.20935075 | 0 |
| 9.95424798 | 1.22459269 | 3.19687647 | 5.26830281 | 0 |
| 1.23085368 | 0.58837527 | 2.57816325 | 4.77306746 | 0 |
| 6.37067682 | 1.29847537 | 2.49566119 | 3.74548744 | 0 |
| 4.39208425 | 0.47166812 | 2.90357186 | 6.63560448 | 0 |
| 3.59796184 | 0.385652252 | 9.21144283 | 3.89085995 | 1 |
| 4.85046573 | 0.717846347 | 5.25432553 | 2.91386657 | 2 |
| 0.147984561 | 1.78545494 | 5.24961241 | 1.05198782 | 0 |
| 2.83696791 | 1.83464432 | 4.51906927 | 3.26185436 | 2 |
| 0.358787184 | 0.927375513 | 6.15349922 | 5.22454327 | 1 |
| 8.96248137 | 0.897847465 | 5.11239232 | 3.53347272 | 0 |
| 6.91195694 | 1.25541672 | 3.90808275 | 4.8373349 | 0 |
| 9.94677059 | 1.89777199 | 6.60505704 | 2.92526934 | 0 |
| 2.38304025 | 0.868626346 | 5.0580403 | 3.68076298 | 4 |
| 3.91330234 | 0.609757408 | 2.86760685 | 6.32544967 | 1 |
| 3.75862162 | 0.682942547 | 2.41347406 | 3.19725535 | 0 |
| 3.16243757 | 0.143767027 | 1.86023221 | 5.38095709 | 0 |
| 0.443153 | 0.888342678 | 10.3867769 | 0.281903208 | 0 |
| 2.48894887 | 1.23441214 | 4.19860861 | 3.83903734 | 0 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 2.30249165 | 1.07224566 | 5.60452417 | 4.34454117 | 2 |
| 4.75924115 | 0.618430211 | 3.86354048 | 1.77642847 | 0 |
| 7.03886696 | 1.23451929 | 1.59179378 | 5.27424246 | 0 |
| 3.41347401 | 0.832096284 | 8.54168176 | 3.68517517 | 0 |
| 7.76185633 | 0.264851726 | 3.41338698 | 2.81501822 | 2 |
| 8.57174605 | 1.15561954 | 3.84413902 | 1.80679292 | 0 |
| 5.78767429 | 0.43106686 | 4.4904394 | 5.92414514 | 0 |
| 4.70571977 | 1.04404331 | 13.9662853 | 4.46623178 | 0 |
| 5.37493672 | 1.31649142 | 3.02763993 | 2.64099995 | 1 |
| 3.84093399 | 0.590133727 | 6.06831942 | 4.9135266 | 2 |
| 5.18499843 | 0.705796681 | 5.21494599 | 2.47513561 | 1 |
| 8.0717028 | 1.82638737 | 4.63566885 | 1.77112182 | 2 |
| 8.10219464 | 1.42621738 | 9.59324849 | 6.08913908 | 1 |
| 7.6336743 | 1.46931204 | 3.36665039 | 4.61699724 | 3 |
| 7.50802205 | 0.799734401 | 2.76841507 | 2.83716045 | 5 |
| 0.343087723 | 0.636491514 | 6.10398453 | 2.04294708 | 0 |
| 3.82128033 | 1.36238289 | 4.5567332 | 3.98173797 | 0 |
| 9.44860579 | 0.79813452 | 2.42237175 | 1.97060943 | 6 |
| 9.2030612 | 1.12713536 | 1.82205193 | 2.18940978 | 1 |
| 7.84729125 | 1.56586872 | 11.7381841 | 5.24888862 | 1 |
| 2.56385624 | 0.711362595 | 5.12898424 | 4.06702564 | 0 |
| 3.21349402 | 1.24373304 | 3.57023764 | 2.41931867 | 0 |
| 0.062893326 | 0.674180827 | 4.8426281 | 6.94635519 | 0 |
| 1.25139523 | 0.313809272 | 3.88379612 | 5.15682522 | 2 |
| 0.934685143 | 0.087888065 | 4.13567917 | 3.47102305 | 0 |
| 2.39465273 | 1.29075349 | 1.5681156 | 5.19881714 | 0 |
| 7.58704994 | 0.982784813 | 3.85412206 | 0.089630905 | 0 |
| 1.7419679 | 1.16559564 | 4.3447838 | 6.73728999 | 6 |
| 3.79437587 | 0.497938034 | 8.18298275 | 4.03682226 | 1 |
| 7.79922123 | 0.371010399 | 2.69735477 | 6.80357358 | 0 |
| 3.23048891 | 0.260513008 | 3.39725848 | 2.94831539 | 0 |
| 9.64490192 | 1.03492747 | 3.55540795 | 5.59217506 | 1 |
| 6.1249164 | 0.900155005 | 2.81650256 | 3.04979461 | 0 |
| 4.8136523 | 1.1406648 | 2.82984975 | 3.58324928 | 1 |
| 1.20306368 | 1.80986399 | 5.50812256 | 4.86202933 | 0 |
| 7.97521417 | 0.733488908 | 5.30464056 | 4.74582711 | 0 |
| 8.79579717 | 0.320184089 | 3.15528244 | 3.50410233 | 1 |
| 5.512226 | 1.78961749 | 3.99767309 | 3.21063219 | 9 |
| 0.397965952 | 0.304849406 | 3.29479019 | 3.34099728 | 0 |
| 9.38664563 | 0.522207969 | 5.23971423 | 4.2448349 | 0 |
| 2.37793817 | 0.137245506 | 5.11431821 | 5.64397049 | 0 |
| 5.10134953 | 0.644014729 | 3.63401554 | 8.17664387 | 1 |
| 7.75081676 | 0.346265232 | 3.40555852 | 3.25524538 | 0 |
| 8.57625868 | 1.79549926 | 2.76962873 | 2.37003907 | 0 |
| 5.78417652 | 0.994613001 | 2.33241162 | 2.93483088 | 0 |
| 7.27119649 | 1.68442753 | 4.08432367 | 5.58447681 | 0 |
| 9.59600096 | 1.13470183 | 4.22036014 | 8.02214655 | 0 |
| 1.20876992 | 0.137810652 | 3.61158715 | 4.70652608 | 0 |
| 1.26127897 | 0.566226436 | 3.04067677 | 6.0789061 | 1 |
| 2.30300493 | 0.696055683 | 6.36145824 | 3.53500266 | 0 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 8.06050293 | 0.77313056 | 4.82485184 | 5.88649262 | 3 |
| 3.33852184 | 0.467908965 | 2.47015946 | 2.26670618 | 0 |
| 0.8046489 | 0.689392831 | 1.42861737 | 2.66244057 | 1 |
| 9.53609159 | 1.36413551 | 6.0641076 | 5.19315087 | 0 |
| 8.06439391 | 1.07460841 | 4.00949282 | 2.56650703 | 0 |
| 0.614138113 | 0.941620464 | 1.74347465 | 2.73137086 | 0 |
| 6.15975316 | 1.14648381 | 7.10863011 | 2.59533872 | 1 |
| 1.74530328 | 0.595883696 | 3.6392017 | 3.90581542 | 0 |
| 7.22121317 | 0.883192178 | 3.92841511 | 4.6838245 | 2 |
| 3.52457529 | 0.642591074 | 3.1531126 | 4.60319371 | 0 |
| 0.727748806 | 0.807164818 | 2.4170384 | 4.97361851 | 0 |
| 0.026850272 | 1.5790939 | 1.72232485 | 2.19369984 | 1 |
| 2.12587269 | 0.938319024 | 7.13693553 | 3.21320472 | 0 |
| 4.26859563 | 1.20226999 | 4.40159042 | 2.00030052 | 2 |
| 4.5335137 | 0.387353736 | 3.25400494 | 2.33760923 | 2 |
| 8.18188939 | 0.703358499 | 5.55849655 | 4.01927811 | 1 |
| 8.13596071 | 1.68107982 | 7.47815819 | 2.19531394 | 1 |
| 2.28238381 | 1.17167055 | 3.35864274 | 3.2002815 | 1 |
| 3.64965256 | 0.476632761 | 6.90642763 | 4.82377863 | 0 |
| 5.12799182 | 0.804169906 | 3.82214611 | 4.42275999 | 0 |
| 2.55383948 | 1.12970697 | 3.07782942 | 5.43802096 | 1 |
| 7.25138754 | 1.54134803 | 4.25437992 | 3.74203765 | 3 |
| 0.099146343 | 0.329714821 | 2.86869314 | 2.73871307 | 6 |
| 3.37811336 | 0.951430156 | 2.83957613 | 2.43226011 | 0 |
| 3.94686521 | 0.800201911 | 2.72031082 | 5.45824058 | 0 |
| 7.74907571 | 0.49443086 | 2.58896925 | 6.33894019 | 3 |
| 1.23399625 | 0.484370178 | 4.01874371 | 4.97884986 | 3 |
| 5.64353353 | 0.928028489 | 4.51853615 | 5.82135852 | 3 |
| 8.3390306 | 0.846911683 | 4.47784633 | 1.97091469 | 0 |
| 5.99989871 | 0.534077718 | 3.42286963 | 3.54193956 | 0 |
| 6.71307037 | 0.059805356 | 3.0402727 | 4.69241468 | 0 |
| 4.51153573 | 1.43312352 | 2.40847208 | 4.74667602 | 1 |
| 3.12624756 | 0.372777975 | 4.51342614 | 4.69158019 | 5 |
| 2.045848 | 0.918048566 | 3.79265216 | 3.31663442 | 0 |
| 8.48931337 | 0.326270424 | 6.67595719 | 3.44743167 | 0 |
| 2.83018521 | 1.28151402 | 2.7759964 | 3.35198765 | 2 |
| 9.45828076 | 0.566714814 | 5.04909337 | 3.75971283 | 2 |
| 0.145873362 | 0.832553466 | 3.92029174 | 1.41167496 | 0 |
| 9.76473739 | 1.15479489 | 6.45221026 | 3.84595186 | 2 |
| 3.52909578 | 1.46866631 | 5.27603303 | 3.27183298 | 0 |
| 9.80671229 | 1.0550147 | 5.72767205 | 0.459395811 | 0 |
| 4.44506645 | 0.365245397 | 1.65881854 | 3.3999277 | 1 |
| 8.52804834 | 1.86661856 | 1.82443626 | 1.87183923 | 0 |
| 9.78165564 | 0.680028937 | 2.92541907 | 4.2008136 | 0 |
| 8.19160177 | 1.12161018 | 5.5701484 | 5.25217123 | 1 |
| 1.73415649 | 0.20635719 | 4.35710126 | 2.57658642 | 0 |
| 9.79480644 | 0.715013958 | 6.17741551 | 4.83953113 | 0 |
| 0.891200381 | 0.117021764 | 2.57173834 | 2.28498453 | 0 |
| 1.49990042 | 1.05806684 | 7.24711264 | 2.55187352 | 1 |
| 2.77013148 | 1.11071272 | 5.3939091 | 2.82256183 | 0 |

| | | | | |
|-------------|-------------|------------|------------|---|
| 7.3673051 | 1.04290349 | 4.38508113 | 4.57535977 | 1 |
| 6.87612561 | 0.855842258 | 2.95356963 | 1.5622656 | 0 |
| 2.22351599 | 0.68039579 | 2.93505284 | 2.71967672 | 7 |
| 1.74791667 | 0.818820735 | 2.53752471 | 4.07313596 | 4 |
| 1.18698431 | 0.676219909 | 4.35174319 | 2.92370434 | 2 |
| 8.83290024 | 1.33915477 | 4.16715061 | 3.95762696 | 0 |
| 0.531496529 | 1.63250106 | 3.1714592 | 5.3298694 | 0 |
| 5.27150791 | 0.955837121 | 7.2682555 | 4.22539782 | 0 |
| 2.38945137 | 0.419857416 | 7.49608761 | 2.28313985 | 2 |
| 7.22939111 | 0.656176221 | 4.75883818 | 5.83041398 | 0 |
| 0.456962022 | 2.10106189 | 2.72160133 | 4.76196262 | 1 |
| 9.92409637 | 2.40010253 | 5.4686768 | 4.46325155 | 2 |
| 1.51925844 | 1.7517155 | 6.79317158 | 5.53743612 | 0 |
| 2.3015251 | 1.30568269 | 3.55473783 | 4.97625889 | 1 |
| 1.01153403 | 1.50834395 | 2.63127623 | 1.69852307 | 0 |
| 5.32617691 | 0.708691655 | 4.83662712 | 5.76112439 | 0 |
| 2.01906084 | 0.199495197 | 4.36804469 | 2.71781463 | 1 |
| 8.29758042 | 0.679102842 | 3.06033499 | 3.49153719 | 2 |
| 8.23274616 | 0.018969222 | 8.28918061 | 4.01272231 | 0 |
| 1.97416398 | 0.561515822 | 6.78094545 | 3.36866098 | 0 |
| 7.66182806 | 0.250195073 | 6.66247628 | 4.0834448 | 2 |
| 2.48022598 | 0.926760042 | 6.77260362 | 4.7059469 | 0 |
| 5.56241718 | 1.17048733 | 6.27577836 | 5.19022109 | 0 |
| 2.45048682 | 0.462454675 | 1.78687161 | 4.70129883 | 0 |
| 2.59845339 | 0.771463086 | 6.84599961 | 4.66836681 | 0 |
| 2.63762054 | 1.0839331 | 4.31049736 | 4.65288422 | 1 |
| 9.64562058 | 1.56462442 | 5.52955534 | 3.81485296 | 0 |
| 2.94316105 | 1.46209038 | 4.56438769 | 5.46417649 | 0 |
| 2.83408625 | 0.47533881 | 4.60481239 | 3.52107319 | 0 |
| 4.98387072 | 1.4284691 | 4.14112248 | 5.09695022 | 0 |
| 6.10495741 | 0.712581348 | 2.51675439 | 4.84435197 | 0 |
| 6.34471197 | 0.237241173 | 5.78229068 | 4.56103123 | 1 |
| 7.10585215 | 0.361182218 | 4.78450092 | 6.19551387 | 0 |
| 0.798049062 | 0.562994216 | 2.89889662 | 1.27111178 | 4 |
| 3.13221713 | 1.48069396 | 4.15023001 | 4.37278842 | 0 |
| 7.75228701 | 1.36100858 | 6.20885066 | 4.66329405 | 1 |
| 7.97337778 | 0.872561619 | 2.47285631 | 3.8625086 | 1 |
| 1.57162134 | 0.233137424 | 2.81674987 | 4.32356926 | 3 |
| 2.41808314 | 0.811426182 | 4.3847308 | 5.77879508 | 0 |
| 4.01594629 | 0.058707885 | 3.63580065 | 2.66217132 | 1 |
| 7.58864587 | 0.861541283 | 5.72824775 | 3.82903869 | 1 |
| 1.50993072 | 0.226666231 | 6.1615515 | 5.3190033 | 0 |
| 3.34974137 | 1.02030786 | 2.73947008 | 2.70949781 | 2 |
| 4.22233273 | 0.832750363 | 4.17617678 | 4.36675267 | 0 |
| 5.82345898 | 0.832343852 | 6.16938687 | 4.38998331 | 0 |
| 7.83933885 | 0.346926526 | 3.86596489 | 4.19323886 | 1 |
| 8.24002096 | 2.19857811 | 4.33890028 | 3.68424664 | 0 |
| 3.04261067 | 1.3797315 | 4.03460644 | 5.23136354 | 0 |
| 9.01435694 | 0.308970291 | 2.39678264 | 3.1869058 | 0 |
| 4.72534105 | 0.476775515 | 3.78355933 | 3.38217057 | 0 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 2.09949089 | 0.54013876 | 4.93932874 | 3.56923854 | 2 |
| 8.12224797 | 0.653374443 | 3.96937504 | 6.10319972 | 0 |
| 3.61953332 | 0.342231517 | 3.81095505 | 0.041400338 | 0 |
| 2.9973671 | 0.914892074 | 7.98334598 | 3.90452743 | 2 |
| 6.01529209 | 0.752517142 | 7.33590519 | 3.34704847 | 2 |
| 1.10300439 | 0.680668829 | 5.00891447 | 6.60411926 | 0 |
| 9.45683106 | 0.483657089 | 2.94244126 | 5.12530662 | 0 |
| 5.31995106 | 0.068521317 | 5.02599161 | 4.84209467 | 0 |
| 1.14322946 | 0.835530369 | 7.45847182 | 2.87702468 | 2 |
| 6.41563152 | 0.205828099 | 6.52879281 | 2.76579103 | 0 |
| 0.381664201 | 0.506984786 | 3.97080339 | 4.13059587 | 1 |
| 5.46249724 | 0.655784556 | 3.26821703 | 4.01287051 | 0 |
| 0.667202778 | 1.29403752 | 6.41334792 | 3.49419247 | 0 |
| 4.90687979 | 0.698025056 | 3.50713053 | 4.39723953 | 3 |
| 9.07710158 | 1.12741021 | 3.65172275 | 5.27425233 | 0 |
| 6.11592535 | 0.915297581 | 5.82780224 | 1.45355428 | 0 |
| 8.83686279 | 0.716924803 | 6.76814631 | 1.9449774 | 1 |
| 0.966752276 | 0.209651809 | 2.29772225 | 5.87816598 | 2 |
| 8.06486141 | 0.811431896 | 6.12899962 | 7.26844626 | 0 |
| 3.66584327 | 0.608652374 | 5.42876745 | 3.14920972 | 0 |
| 1.08299004 | 0.967647061 | 3.81418599 | 3.82910294 | 0 |
| 8.82771506 | 0.468395926 | 7.80472013 | 4.19537892 | 1 |
| 2.99107197 | 0.809196229 | 4.62570815 | 6.03203878 | 0 |
| 3.47927011 | 0.992815577 | 8.0258252 | 5.51444966 | 0 |
| 3.78726248 | 0.350279078 | 8.98268663 | 2.97772696 | 4 |
| 5.91332298 | 0.515970122 | 4.33864889 | 4.19135562 | 0 |
| 4.08440938 | 0.821914059 | 2.82812077 | 1.89145641 | 2 |
| 3.0181873 | 0.595796464 | 3.30862795 | 4.8549786 | 0 |
| 0.269195603 | 0.964530609 | 2.48027066 | 4.57797164 | 2 |
| 0.857034659 | 0.752838738 | 5.14869969 | 3.50887345 | 0 |
| 6.67874912 | 0.517970581 | 3.53860953 | 5.06357346 | 2 |
| 8.43235811 | 0.429938304 | 5.89871517 | 3.6125616 | 6 |
| 7.4394161 | 2.10113617 | 7.61295623 | 6.23065627 | 0 |
| 8.67655132 | 0.604848049 | 9.07593891 | 2.96453781 | 0 |
| 5.94895915 | 0.240420116 | 3.11000441 | 1.45700114 | 1 |
| 9.74668043 | 1.03795909 | 4.38025999 | 4.33861034 | 4 |
| 5.85816546 | 0.756347504 | 1.89282063 | 5.09898046 | 2 |
| 6.96168873 | 0.769477393 | 8.3406953 | 2.3910961 | 0 |
| 2.83004186 | 0.790936473 | 5.5914243 | 4.05051856 | 1 |
| 2.70334886 | 0.485425149 | 3.15264345 | 3.91416704 | 0 |
| 8.59178126 | 0.922922163 | 3.95290553 | 2.37218103 | 0 |
| 3.90411536 | 0.948060051 | 4.44719095 | 2.77225073 | 0 |
| 8.88588739 | 1.05726278 | 8.81710379 | 4.14759254 | 0 |
| 4.09502846 | 0.54770125 | 3.11506604 | 4.24756185 | 1 |
| 6.31058545 | 2.13029517 | 3.64273467 | 4.11339782 | 0 |
| 7.29423926 | 0.454560656 | 4.80012461 | 2.42897901 | 3 |
| 4.26350942 | 0.119186777 | 5.6018143 | 4.38258464 | 3 |
| 2.42274405 | 1.82932715 | 2.40737325 | 5.63030355 | 0 |
| 8.81374883 | 0.985448527 | 2.61895644 | 4.92933419 | 1 |
| 2.65804203 | 1.21039429 | 2.57377835 | 3.69453235 | 0 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 1.2922093 | 0.929799487 | 3.05236288 | 3.10431218 | 3 |
| 7.29932686 | 0.386200915 | 2.789381 | 4.55219417 | 0 |
| 0.612645138 | 1.15318977 | 2.55109063 | 4.54383396 | 2 |
| 5.74862851 | 0.463842661 | 2.10377463 | 3.3535283 | 1 |
| 0.26471151 | 0.525732568 | 3.88980109 | 1.60486375 | 2 |
| 4.90238447 | 1.17762946 | 3.45990253 | 3.50044229 | 0 |
| 3.19832406 | 1.09062371 | 3.56646252 | 6.02584257 | 2 |
| 6.03286149 | 0.680175406 | 2.93083024 | 2.42788894 | 2 |
| 1.12215238 | 0.325694462 | 2.76104818 | 4.690751 | 3 |
| 1.63191014 | 1.34482303 | 1.64111025 | 4.05366092 | 2 |
| 2.08105791 | 0.661204939 | 2.782306 | 3.80332834 | 0 |
| 0.37160205 | 1.62978264 | 1.95514283 | 2.14110865 | 0 |
| 5.93609236 | 0.92849165 | 4.52717241 | 3.82551408 | 0 |
| 9.94640881 | 0.220767671 | 3.7781195 | 2.13240575 | 1 |
| 2.88324548 | 0.757256804 | 3.38833547 | 5.2874541 | 0 |
| 8.92270775 | 0.609313332 | 2.3359868 | 1.99033254 | 1 |
| 4.76542117 | 0.832466138 | 6.09856024 | 6.21423751 | 0 |
| 4.97075874 | 0.187951394 | 5.90016006 | 4.50465673 | 1 |
| 0.259428495 | 0.64655736 | 3.32096026 | 5.30206758 | 0 |
| 0.695380776 | 0.871442226 | 3.76245519 | 3.86592093 | 0 |
| 6.91909852 | 0.999585407 | 6.86763143 | 5.11900048 | 0 |
| 7.57657132 | 2.03594582 | 2.07477479 | 6.87734379 | 1 |
| 1.36921922 | 0.793054989 | 5.40186163 | 4.64032444 | 0 |
| 1.57647001 | 1.28194257 | 5.07066844 | 3.08872027 | 0 |
| 8.53004722 | 0.621743399 | 8.41273648 | 4.20004484 | 0 |
| 0.195574735 | 0.532527353 | 8.17828667 | 2.55444386 | 0 |
| 6.43706208 | 1.37046028 | 7.96263951 | 5.01548206 | 0 |
| 3.7454401 | 0.716835263 | 4.69207269 | 2.1282168 | 0 |
| 8.86059673 | 0.562913621 | 1.921211 | 3.88366192 | 1 |
| 9.88256673 | 1.19159213 | 1.56332115 | 5.40032116 | 0 |
| 2.13295109 | 0.422410088 | 6.42388836 | 2.60733281 | 0 |
| 2.86685525 | 0.825514819 | 5.73044941 | 3.24202163 | 1 |
| 5.62083558 | 0.439396966 | 3.08094854 | 4.39208486 | 0 |
| 9.00467582 | 0.597980719 | 4.27473144 | 7.52113774 | 0 |
| 4.53323814 | 0.124858495 | 5.60622973 | 5.54215399 | 0 |
| 4.78960836 | 0.167614788 | 5.46794557 | 3.9407145 | 2 |
| 5.26624884 | 1.00804145 | 5.90331246 | 1.71614231 | 1 |
| 3.34577796 | 0.613982035 | 3.19114433 | 3.11294051 | 1 |
| 9.25838333 | 0.749023078 | 2.91002778 | 4.32516129 | 1 |
| 4.94055104 | 0.942819788 | 3.82705632 | 3.00743592 | 1 |
| 0.236909648 | 0.60204622 | 6.60131256 | 0.975449078 | 2 |
| 4.952961 | 0.969560781 | 3.15880247 | 4.33152942 | 1 |
| 0.331957468 | 0.3837431 | 4.39666106 | 3.10484004 | 2 |
| 8.75062175 | 0.803400777 | 2.90384709 | 1.40256703 | 3 |
| 2.4578917 | 1.01396054 | 6.53376107 | 5.72434783 | 0 |
| 3.68458385 | 0.443797502 | 3.15441092 | 6.40960504 | 3 |
| 4.93641265 | 1.44293851 | 5.48620881 | 6.1898459 | 0 |
| 0.45203584 | 0.315018979 | 4.8371079 | 4.44604646 | 0 |
| 1.05261497 | 1.41697405 | 4.90422167 | 3.54217542 | 2 |
| 8.56336071 | 0.945626207 | 3.6060255 | 2.03156603 | 1 |

| | | | | |
|-------------|-------------|------------|------------|---|
| 3.74105525 | 1.67017403 | 4.26971717 | 4.78016864 | 0 |
| 1.13227072 | 0.909362729 | 3.80219428 | 5.94946466 | 0 |
| 7.89970075 | 1.40575124 | 4.43852095 | 1.96154224 | 0 |
| 9.75254201 | 0.471856722 | 3.9023732 | 4.89244077 | 0 |
| 4.80032853 | 1.41866789 | 3.77816003 | 5.6889862 | 0 |
| 5.44781646 | 1.19675026 | 2.33457285 | 2.09693122 | 0 |
| 0.262447738 | 1.66447215 | 3.00068362 | 6.42764433 | 0 |
| 6.79438471 | 0.874614624 | 7.04146623 | 3.46716895 | 2 |
| 7.76169217 | 1.79670483 | 3.85398109 | 7.07835281 | 1 |
| 8.40711551 | 0.825515884 | 2.46816489 | 3.91708697 | 0 |
| 2.4535558 | 1.04339817 | 5.82433818 | 3.93816939 | 0 |
| 6.92325946 | 1.471499 | 2.24486803 | 2.20595365 | 0 |
| 9.224453 | 1.13751608 | 2.96282876 | 6.20340062 | 1 |
| 3.59298926 | 0.867624327 | 5.38883867 | 2.98955114 | 0 |
| 6.19267604 | 0.928963025 | 1.18914088 | 4.38564634 | 1 |
| 9.00592068 | 1.18314023 | 2.44948711 | 2.76342104 | 1 |
| 9.970847 | 0.77192268 | 5.10057142 | 5.13042438 | 1 |
| 3.48285335 | 0.726984414 | 2.25839612 | 5.87388247 | 2 |
| 4.89780645 | 0.576739341 | 5.58342109 | 6.80821421 | 2 |
| 8.38643596 | 1.04654081 | 4.99481539 | 4.76851457 | 1 |
| 0.110557992 | 1.36867525 | 8.04223502 | 3.48825701 | 1 |
| 1.05598832 | 0.555311867 | 3.90203251 | 3.80323229 | 0 |
| 3.19289203 | 0.920377461 | 1.98224863 | 3.06512773 | 0 |
| 1.17549504 | 0.869303618 | 3.03394565 | 7.78252767 | 0 |
| 7.11474438 | 0.601795673 | 6.11458805 | 2.75478523 | 0 |
| 1.7198171 | 0.987655864 | 5.05907789 | 5.3649836 | 3 |
| 1.64179431 | 0.523711247 | 2.93698074 | 1.96761686 | 0 |
| 5.32528045 | 0.771467343 | 2.61315488 | 2.41250004 | 1 |
| 2.50533055 | 1.3526667 | 4.92064121 | 1.87614595 | 2 |
| 2.95643617 | 0.988417731 | 7.20818648 | 5.47750686 | 0 |
| 2.88531953 | 0.414639856 | 3.24339787 | 3.81889161 | 0 |
| 7.93849102 | 0.804189823 | 3.44213085 | 1.77504917 | 1 |
| 4.82503148 | 1.81247928 | 3.95847307 | 4.01446627 | 0 |
| 9.65862769 | 1.48418352 | 3.03369757 | 2.92653146 | 0 |
| 8.2397714 | 1.24036374 | 3.2637354 | 3.14524955 | 0 |
| 0.782307605 | 1.18375184 | 3.2984928 | 2.59318259 | 1 |
| 4.9228032 | 0.401195262 | 1.98492384 | 4.82627635 | 2 |
| 2.46072793 | 1.08849005 | 7.03870053 | 4.33961409 | 5 |
| 3.62174487 | 0.882286139 | 7.80209153 | 5.02552358 | 1 |
| 8.70130836 | 0.880008305 | 2.86367324 | 3.90460987 | 2 |
| 4.05649049 | 0.578467466 | 5.53197342 | 3.64761474 | 2 |
| 6.2879266 | 1.64114513 | 6.92213262 | 2.53934763 | 0 |
| 3.25249579 | 1.25695219 | 1.8495374 | 2.21703042 | 4 |
| 2.53425911 | 1.50013824 | 4.00462429 | 4.86665214 | 0 |
| 0.523936616 | 0.404170721 | 5.33698141 | 3.36100709 | 1 |
| 4.30534385 | 0.822745561 | 4.26301641 | 4.76648767 | 2 |
| 0.6067773 | 0.638085709 | 6.0757131 | 4.6014554 | 3 |
| 5.46913602 | 1.05457503 | 4.65946736 | 4.22937006 | 0 |
| 4.70382671 | 0.085458204 | 4.41129777 | 3.94578612 | 3 |
| 8.72708622 | 0.587465417 | 6.05927798 | 4.29002293 | 0 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 4.89250688 | 2.24203453 | 2.82572803 | 7.37275838 | 5 |
| 8.26426207 | 1.08772566 | 7.41566592 | 3.393762 | 0 |
| 7.30802981 | 0.478511136 | 5.06099449 | 3.76348218 | 1 |
| 1.64619303 | 1.56957573 | 10.2993086 | 1.20294249 | 1 |
| 9.69570451 | 0.56108962 | 4.41864286 | 4.03588365 | 0 |
| 4.77928435 | 1.38330033 | 5.10184902 | 5.50687595 | 0 |
| 5.60172732 | 0.954755312 | 5.11548238 | 5.12609795 | 0 |
| 6.50964693 | 1.74126837 | 4.42657866 | 3.90416532 | 1 |
| 0.691560148 | 1.17048188 | 4.44973289 | 3.68900675 | 1 |
| 3.22126231 | 1.31686595 | 6.12926108 | 2.82992625 | 0 |
| 0.83026733 | 1.43361547 | 3.48982014 | 4.37482083 | 0 |
| 6.56009082 | 0.517495629 | 6.61690612 | 1.78597812 | 0 |
| 9.02364987 | 0.946237862 | 2.69141677 | 4.23669051 | 1 |
| 5.85088986 | 0.868917719 | 3.59815781 | 3.14516731 | 1 |
| 0.575782354 | 0.873638199 | 2.8819856 | 4.17302461 | 0 |
| 5.03614052 | 0.482719475 | 3.13109994 | 7.72212662 | 0 |
| 0.709548239 | 0.188657178 | 1.75806556 | 4.45392678 | 2 |
| 8.9114934 | 0.832137178 | 4.06040051 | 4.72044702 | 3 |
| 9.79056205 | 1.20716637 | 4.58790979 | 3.0743991 | 0 |
| 8.74263873 | 0.853831721 | 3.0591703 | 3.41788959 | 1 |
| 9.74901822 | 1.23304555 | 5.42314203 | 1.705209 | 0 |
| 2.43164311 | 0.718197394 | 4.03392342 | 3.17978194 | 1 |
| 2.2744464 | 2.22246811 | 3.45296254 | 3.7562365 | 0 |
| 7.395129 | 2.15703063 | 6.08440396 | 4.74302919 | 0 |
| 5.18091094 | 1.47595476 | 4.00381015 | 2.37308914 | 1 |
| 5.47372486 | 1.39109875 | 4.05381449 | 6.80514975 | 2 |
| 7.93444474 | 1.49720792 | 2.67052055 | 3.08595709 | 1 |
| 1.19241148 | 1.37686864 | 3.2729374 | 3.26986976 | 2 |
| 2.94227544 | 0.885479974 | 4.07755937 | 5.20831966 | 0 |
| 0.611946804 | 0.851222103 | 3.27211397 | 4.74593971 | 1 |
| 7.5725858 | 1.13125564 | 4.55610978 | 2.92392758 | 2 |
| 5.17650589 | 0.887573944 | 5.44836062 | 0.774981224 | 0 |
| 4.20349587 | 0.231724351 | 6.01633818 | 3.70637037 | 7 |
| 0.104069123 | 0.395395072 | 2.2548055 | 3.69709018 | 0 |
| 2.47126908 | 0.397163075 | 3.93363923 | 4.66300613 | 0 |
| 9.79058486 | 0.509717363 | 3.17009641 | 4.08032605 | 1 |
| 8.56089297 | 0.577378502 | 5.19663203 | 5.32585022 | 0 |
| 0.872396198 | 0.896664175 | 3.01454397 | 5.1809466 | 1 |
| 3.52484373 | 0.502611591 | 5.30359179 | 6.3591696 | 0 |
| 6.15301252 | 0.748194658 | 10.1677764 | 5.31593121 | 7 |
| 5.87796971 | 0.501912512 | 2.54694696 | 5.16709584 | 1 |
| 2.13850478 | 0.94612498 | 3.75209252 | 3.16215178 | 3 |
| 0.893050162 | 0.433450516 | 5.84265617 | 3.23068438 | 0 |
| 6.49740647 | 0.930742102 | 2.82385357 | 2.0662556 | 0 |
| 4.48058281 | 0.777691144 | 5.92953927 | 5.18642014 | 0 |
| 5.61340191 | 1.93128365 | 2.62490327 | 5.9716415 | 0 |
| 2.52577778 | 0.9005186 | 3.15290248 | 6.57240359 | 1 |
| 5.87470451 | 1.17053996 | 3.27634585 | 3.63760465 | 0 |
| 4.04565796 | 0.430927815 | 2.0804672 | 2.33030052 | 0 |
| 4.2816687 | 0.064902273 | 3.17411244 | 4.71695826 | 1 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 7.95946596 | 0.970361965 | 7.01811559 | 6.28323665 | 0 |
| 6.71414397 | 0.65178002 | 5.29413438 | 4.08024636 | 0 |
| 7.38609763 | 0.505329352 | 3.34814902 | 6.92495777 | 4 |
| 1.21360736 | 0.198010116 | 6.01484073 | 3.16127446 | 1 |
| 8.23835606 | 1.15120607 | 4.0904197 | 5.13282552 | 1 |
| 0.950062273 | 0.356847907 | 7.07771337 | 3.59938152 | 2 |
| 6.7840891 | 1.00525058 | 3.9619893 | 8.27732436 | 0 |
| 8.8107097 | 0.338306133 | 3.38833611 | 2.90683757 | 0 |
| 6.31454306 | 1.35841821 | 3.35485554 | 5.06218784 | 0 |
| 8.12450304 | 0.944500586 | 2.61931761 | 3.71973963 | 0 |
| 2.94660632 | 0.482501626 | 6.25917803 | 2.80180924 | 0 |
| 9.60603796 | 1.54201618 | 2.32187694 | 3.58934261 | 0 |
| 3.50234814 | 1.17850351 | 3.47346232 | 3.93451364 | 0 |
| 9.99122249 | 1.38359687 | 4.40425188 | 4.28101023 | 2 |
| 1.7627418 | 1.19352662 | 8.88988631 | 3.00960578 | 0 |
| 0.86960841 | 0.597435748 | 3.06537369 | 5.2202881 | 6 |
| 0.551841939 | 0.428821747 | 7.57248 | 2.80307172 | 2 |
| 3.55529108 | 1.11620201 | 2.84202933 | 4.10771019 | 1 |
| 7.52146012 | 1.40937816 | 4.99015123 | 3.24871869 | 0 |
| 9.61073227 | 0.972352795 | 3.25529177 | 4.58096626 | 0 |
| 9.94165195 | 0.54109299 | 2.63598622 | 4.63651744 | 0 |
| 9.10357852 | 1.73122947 | 2.16577857 | 3.84343287 | 2 |
| 2.63575625 | 0.978101237 | 5.47060534 | 5.992424 | 0 |
| 6.7654589 | 0.738797569 | 5.75562744 | 4.49498457 | 1 |
| 8.50163525 | 0.285736229 | 2.72883131 | 1.23770478 | 0 |
| 0.695864081 | 0.989723603 | 5.41288192 | 3.32586743 | 0 |
| 1.69673576 | 1.39330156 | 7.78776075 | 2.08036172 | 1 |
| 0.07179786 | 1.22909278 | 1.81515522 | 4.43007659 | 1 |
| 4.11870542 | 0.111890485 | 5.23907729 | 5.88882132 | 1 |
| 2.35420937 | 0.696157333 | 5.25919641 | 5.80696333 | 0 |
| 5.14798605 | 1.05346431 | 2.74962033 | 3.48239589 | 0 |
| 2.04005643 | 0.739644211 | 5.65335486 | 3.08112282 | 1 |
| 0.441032681 | 0.548301421 | 2.12752256 | 7.28622663 | 1 |
| 8.74773737 | 0.802773997 | 3.3861309 | 3.76004345 | 1 |
| 1.03679739 | 1.44796578 | 6.64633878 | 6.6186723 | 4 |
| 5.85372419 | 0.550660374 | 5.53959799 | 5.77807277 | 2 |
| 4.37369894 | 0.879515957 | 3.72386263 | 3.99465198 | 0 |
| 1.72813178 | 0.540592269 | 3.00219268 | 3.91689345 | 0 |
| 3.99813756 | 1.49481951 | 2.45131012 | 7.0899971 | 1 |
| 6.73355144 | 1.69438527 | 2.55041871 | 3.58043879 | 2 |
| 0.435401353 | 1.02080915 | 4.80598732 | 4.49340026 | 1 |
| 0.856242788 | 0.642400031 | 3.93117871 | 4.64041956 | 1 |
| 7.8857612 | 0.397875773 | 2.9402414 | 5.42907253 | 0 |
| 3.47262046 | 1.42579575 | 5.40232718 | 0.489450115 | 0 |
| 6.34720958 | 0.930126335 | 5.09956597 | 4.30160351 | 1 |
| 9.23093858 | 0.304542106 | 4.13770122 | 4.49755935 | 0 |
| 3.02849618 | 0.829635708 | 3.69013165 | 4.29144839 | 0 |
| 8.31110188 | 1.47735061 | 2.76751338 | 5.76150973 | 2 |
| 7.76418797 | 1.71271831 | 3.62008074 | 3.48502202 | 0 |
| 5.61379363 | 0.47043377 | 3.94472609 | 4.28725005 | 5 |

| | | | | |
|-------------|-------------|------------|------------|---|
| 1.11006708 | 1.11225939 | 4.81133744 | 6.78117039 | 0 |
| 6.26735122 | 1.15566122 | 3.19402998 | 2.23122021 | 1 |
| 0.535548881 | 1.43788819 | 5.76492926 | 4.86111112 | 0 |
| 4.37246571 | 0.381570368 | 6.97178328 | 3.30413128 | 2 |
| 5.26020673 | 1.45644312 | 6.69007981 | 2.19358803 | 1 |
| 2.29732757 | 0.907602216 | 3.49466245 | 3.5369806 | 0 |
| 7.6886295 | 0.630797806 | 2.27019825 | 2.28389271 | 0 |
| 4.41191079 | 0.988358979 | 3.96390277 | 2.47351634 | 1 |
| 2.47232793 | 1.24363584 | 7.38302905 | 5.11035562 | 0 |
| 8.50949199 | 1.60965662 | 4.07516769 | 1.16100942 | 1 |
| 9.00348385 | 0.549414417 | 4.23736221 | 3.1101423 | 0 |
| 3.54032288 | 1.45921565 | 5.19029008 | 3.77511768 | 0 |
| 6.35627229 | 1.17236613 | 4.25026841 | 5.67733352 | 0 |
| 4.19102865 | 0.829157982 | 4.13820565 | 6.29216733 | 1 |
| 9.46284282 | 0.822046796 | 2.63258164 | 5.38741131 | 3 |
| 1.36040244 | 1.33652273 | 4.64726985 | 5.80193678 | 3 |
| 7.2363256 | 0.619077606 | 6.28306902 | 5.55885882 | 1 |
| 4.30578327 | 0.714378846 | 6.61533678 | 5.46159708 | 0 |
| 5.16424013 | 0.327084923 | 4.8592603 | 4.7513352 | 6 |
| 4.7057176 | 0.824983829 | 2.43607138 | 4.71012779 | 1 |
| 1.1782899 | 0.429480353 | 3.73973737 | 4.15428485 | 2 |
| 2.0226436 | 0.84210124 | 7.79494557 | 3.63662823 | 3 |
| 8.87624749 | 0.614247623 | 6.10002291 | 5.24388038 | 0 |
| 4.56897791 | 0.381350751 | 4.27349003 | 3.71900809 | 0 |
| 8.07034875 | 1.18344515 | 3.02044947 | 3.82901571 | 0 |
| 3.99411426 | 0.746602258 | 3.9637964 | 4.19115995 | 2 |
| 0.762635237 | 0.521908084 | 4.89643671 | 5.66371676 | 3 |
| 5.59094504 | 0.884578839 | 2.76139613 | 2.87827417 | 5 |
| 2.32299062 | 0.954499464 | 2.97333157 | 3.67822797 | 0 |
| 4.72300634 | 0.543647753 | 3.23564101 | 5.69443097 | 2 |
| 0.097851453 | 0.133781672 | 2.3298951 | 6.30790174 | 2 |
| 2.31528264 | 1.2726825 | 2.66991514 | 6.6930118 | 1 |
| 4.05535982 | 1.68957039 | 4.34173452 | 2.42130774 | 0 |
| 5.36550438 | 1.49388304 | 5.56677529 | 4.23138121 | 2 |
| 8.12681695 | 0.499217374 | 3.13133424 | 4.31357596 | 2 |
| 9.94324442 | 0.969453795 | 7.30626531 | 3.37445122 | 7 |
| 2.46437514 | 0.622986216 | 2.77391268 | 2.84020933 | 1 |
| 3.84938948 | 1.61838845 | 3.24404865 | 3.76904746 | 0 |
| 3.54084297 | 0.755654733 | 5.31738639 | 2.99645816 | 4 |
| 2.41454619 | 0.430956217 | 2.20702114 | 4.49461814 | 0 |
| 0.135466345 | 1.22800457 | 4.78178736 | 5.59532108 | 0 |
| 9.96077133 | 0.76670965 | 5.69310424 | 1.53156807 | 2 |
| 4.21941195 | 1.22622602 | 4.43084403 | 5.40443204 | 1 |
| 8.77096213 | 1.57276346 | 3.67597356 | 3.73398646 | 0 |
| 2.01069467 | 0.655449101 | 4.10135275 | 4.2205134 | 0 |
| 1.72505349 | 0.760712435 | 2.47023379 | 3.71608048 | 2 |
| 0.082711438 | 0.839990086 | 5.46108909 | 6.17773159 | 2 |
| 9.0432621 | 0.589837017 | 4.21717636 | 2.58278556 | 1 |
| 6.56276723 | 1.05282447 | 2.49377199 | 3.70154233 | 2 |
| 2.94785599 | 0.815951504 | 4.22707315 | 3.29362801 | 1 |

| | | | | |
|-------------|-------------|------------|-------------|----|
| 0.937517916 | 1.2921116 | 4.43300627 | 3.76207019 | 1 |
| 6.0738145 | 1.17844391 | 6.47621456 | 2.86671447 | 3 |
| 1.23758975 | 1.23050838 | 4.77993479 | 2.47152533 | 1 |
| 8.75046775 | 1.46731378 | 3.45079553 | 5.75438628 | 3 |
| 7.33351317 | 0.812894362 | 3.3960164 | 3.96647203 | 1 |
| 7.46532002 | 0.535707681 | 7.88783451 | 3.8048039 | 0 |
| 3.16654406 | 0.394885172 | 4.22786862 | 4.17579088 | 0 |
| 8.55247665 | 0.666829222 | 6.15195831 | 7.85533726 | 0 |
| 5.90818848 | 1.47395763 | 4.42383177 | 4.05121898 | 1 |
| 0.674833662 | 0.729700653 | 1.78507524 | 5.82605281 | 0 |
| 2.43725777 | 0.708344178 | 5.83932064 | 2.9081535 | 3 |
| 5.76503912 | 0.824273343 | 5.8862514 | 3.87589965 | 0 |
| 7.50233005 | 0.958742811 | 4.62874728 | 5.87015872 | 4 |
| 3.14168963 | 0.424588346 | 6.34468194 | 4.86294719 | 1 |
| 6.54724506 | 1.2051132 | 4.25721381 | 6.06585409 | 0 |
| 3.69507588 | 1.2082803 | 3.71538912 | 2.70552298 | 0 |
| 8.1839641 | 0.168619582 | 5.43872524 | 2.99009003 | 1 |
| 9.15928154 | 0.642431261 | 4.30138262 | 6.61497061 | 0 |
| 4.14907777 | 0.237155831 | 3.16574793 | 5.6605092 | 0 |
| 3.68747689 | 1.15861371 | 2.76340694 | 5.92459545 | 1 |
| 6.89995633 | 1.61911686 | 2.61363516 | 3.30858364 | 0 |
| 5.60694845 | 0.854648404 | 11.5260834 | 5.80581235 | 1 |
| 9.0184446 | 1.12474971 | 3.60326844 | 2.50740742 | 10 |
| 0.896388937 | 1.21962988 | 6.43426387 | 6.57561429 | 0 |
| 6.36782973 | 0.795046936 | 1.81367324 | 3.46029542 | 1 |
| 9.66625336 | 0.688976083 | 2.3922803 | 5.54918108 | 3 |
| 2.55917272 | 0.611509927 | 5.83878979 | 0.379308446 | 4 |
| 4.21388587 | 1.08201851 | 2.84979946 | 1.68189946 | 1 |
| 4.3166379 | 1.15704477 | 3.41132958 | 3.34170427 | 8 |
| 6.73461144 | 0.265769135 | 2.75605764 | 4.53440443 | 0 |
| 0.605473844 | 0.917368875 | 3.80295588 | 6.01587055 | 2 |
| 9.12314724 | 0.269565149 | 3.18460959 | 0.525792929 | 4 |
| 3.32958854 | 0.542567737 | 4.72064594 | 4.83665272 | 0 |
| 8.44857882 | 0.864489764 | 3.53116005 | 4.24458099 | 0 |
| 1.30239038 | 0.891822853 | 5.02694119 | 3.16952831 | 0 |
| 5.46063085 | 1.66170849 | 5.18430255 | 4.67912025 | 1 |
| 9.50915217 | 0.961301349 | 5.71675989 | 4.15412524 | 1 |
| 9.52802251 | 0.280611222 | 3.31119821 | 4.42767184 | 0 |
| 0.146334751 | 0.211996618 | 10.1574467 | 5.394652 | 0 |
| 7.70890778 | 0.381453513 | 1.53220865 | 5.08227169 | 1 |
| 1.74359725 | 1.04190528 | 4.74411595 | 3.50428098 | 2 |
| 4.50194753 | 0.897865391 | 7.08138131 | 4.8105501 | 1 |
| 3.80719743 | 1.20823683 | 8.14308341 | 4.88142737 | 2 |
| 2.51855198 | 1.21418668 | 6.69990385 | 1.4248056 | 1 |
| 2.59700768 | 0.701219293 | 4.71116716 | 3.60247125 | 0 |
| 5.89287756 | 0.255321131 | 2.34436446 | 4.42593241 | 0 |
| 3.53487168 | 0.966462952 | 5.20347138 | 4.06481764 | 0 |
| 1.08924039 | 1.26505083 | 3.4339419 | 2.33849396 | 0 |
| 9.09557636 | 0.778191739 | 3.13344196 | 5.6377109 | 3 |
| 5.05805913 | 0.996714669 | 4.07735663 | 4.51146697 | 0 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 8.75832931 | 0.709846829 | 3.97107023 | 3.22900164 | 1 |
| 8.44683507 | 0.833668091 | 4.1619699 | 2.58905196 | 0 |
| 8.64393033 | 0.714381862 | 3.99503201 | 3.23534368 | 0 |
| 7.7772617 | 1.34854174 | 2.79029711 | 2.74196159 | 1 |
| 8.08964114 | 0.538454472 | 6.80511179 | 4.25056388 | 1 |
| 5.44234243 | 1.40192361 | 5.19744024 | 2.83602009 | 0 |
| 8.68754109 | 1.47783672 | 2.23513387 | 2.18126994 | 0 |
| 5.29221942 | 0.241298284 | 11.2142667 | 2.34381838 | 1 |
| 8.74796246 | 0.361619666 | 6.55487337 | 4.04927927 | 0 |
| 1.19536917 | 0.607219638 | 7.89336269 | 5.20904681 | 0 |
| 3.96572652 | 0.240206644 | 2.31197025 | 4.707545 | 0 |
| 9.40414005 | 0.359180374 | 5.46110179 | 3.13241021 | 0 |
| 2.00405665 | 2.38289632 | 1.93832725 | 3.80201658 | 0 |
| 4.12862757 | 0.837151213 | 6.9670844 | 1.21215876 | 0 |
| 8.69959496 | 0.142633537 | 4.01539815 | 5.88317116 | 2 |
| 7.23334774 | 0.971405051 | 6.21616927 | 5.43571018 | 1 |
| 3.95047046 | 1.25796928 | 3.00842116 | 4.81968306 | 0 |
| 6.19082234 | 0.716326121 | 7.91854378 | 5.12126948 | 1 |
| 2.06078732 | 0.626736455 | 6.03436212 | 2.60244047 | 0 |
| 0.968133621 | 0.512865952 | 6.98620776 | 3.39110438 | 1 |
| 5.97376809 | 0.37010027 | 5.27564437 | 2.91736937 | 6 |
| 9.12018954 | 0.461599813 | 7.11515038 | 3.2589418 | 3 |
| 7.8671071 | 0.019494177 | 2.64129102 | 3.25578686 | 1 |
| 6.96166716 | 1.49187754 | 10.572966 | 5.11002532 | 0 |
| 9.3294588 | 1.05918425 | 6.12891538 | 4.73638678 | 2 |
| 1.02606393 | 1.25397039 | 2.05312298 | 5.41874931 | 0 |
| 3.54711611 | 0.55748727 | 3.33544044 | 3.20725077 | 2 |
| 8.64592605 | 1.32179292 | 2.975961 | 4.21351393 | 0 |
| 2.88805722 | 1.36338218 | 4.79840885 | 1.10433905 | 3 |
| 1.07689933 | 1.26180683 | 4.30059728 | 5.59117137 | 1 |
| 8.04701965 | 1.31240087 | 3.32302906 | 3.64479788 | 4 |
| 1.81101891 | 0.646266214 | 2.92667842 | 2.63686135 | 2 |
| 2.75902421 | 1.33431455 | 1.57977796 | 7.20935837 | 0 |
| 5.64234803 | 0.798681555 | 3.55514303 | 4.4462961 | 0 |
| 1.18411053 | 1.2699615 | 3.29475722 | 3.97743605 | 1 |
| 9.22024257 | 1.28533212 | 3.6727625 | 5.02022046 | 2 |
| 7.25807913 | 1.70518075 | 5.51450662 | 0.283660899 | 0 |
| 7.24066438 | 0.489067859 | 8.68261438 | 5.9192364 | 1 |
| 6.17142845 | 0.546868292 | 3.74601682 | 2.58104646 | 0 |
| 6.58313783 | 0.721711734 | 3.29245539 | 4.48192452 | 0 |
| 4.80960728 | 0.914023525 | 1.72837359 | 2.72032623 | 4 |
| 7.46260133 | 0.45040248 | 2.78813646 | 4.7542453 | 2 |
| 1.84727961 | 0.593499956 | 3.41453606 | 5.46736725 | 0 |
| 9.61301128 | 0.79811135 | 14.2263129 | 4.72695212 | 0 |
| 6.80642909 | 1.05539269 | 2.38259919 | 2.12216591 | 0 |
| 9.95566492 | 1.36938509 | 2.73621359 | 3.86163363 | 1 |
| 0.593076316 | 1.45890266 | 4.66223004 | 3.5502832 | 0 |
| 4.473945 | 0.470391949 | 2.14973539 | 5.42442905 | 1 |
| 5.73466781 | 0.183193577 | 3.61191218 | 3.3244621 | 1 |
| 4.41172703 | 0.29260354 | 7.11226509 | 2.138927 | 1 |

| | | | | |
|-------------|-------------|------------|------------|---|
| 6.73787256 | 1.36335364 | 4.42743675 | 1.62512017 | 6 |
| 7.96823131 | 1.52581296 | 3.77567131 | 3.64775487 | 2 |
| 8.4256942 | 1.82839284 | 4.33660364 | 5.06728028 | 1 |
| 2.02345992 | 0.246612418 | 3.27649025 | 4.46386225 | 0 |
| 4.69070972 | 0.758807444 | 2.43217409 | 4.52882644 | 0 |
| 4.76625075 | 1.85855835 | 1.60676608 | 2.42268293 | 0 |
| 0.571379811 | 1.09914872 | 3.00847711 | 4.4870208 | 0 |
| 1.4958918 | 0.599411375 | 7.55064294 | 1.72255035 | 0 |
| 1.89002065 | 1.15712797 | 4.5981415 | 2.17008862 | 1 |
| 2.88303697 | 0.407397097 | 2.52881469 | 3.03400284 | 1 |
| 5.15265095 | 0.516930443 | 4.08407493 | 2.87728272 | 4 |
| 8.41645417 | 1.3251653 | 4.87270092 | 3.2772569 | 1 |
| 1.46209806 | 0.512297069 | 3.69481295 | 5.18417266 | 0 |
| 6.70423479 | 0.345414259 | 5.40351589 | 5.62205137 | 1 |
| 6.09256567 | 0.446815677 | 3.57260639 | 4.51450463 | 2 |
| 3.09572585 | 0.665362612 | 3.11553646 | 3.39139129 | 0 |
| 9.08623341 | 0.67227343 | 4.40666036 | 1.63951156 | 0 |
| 0.791434576 | 0.917888021 | 5.58695283 | 3.02189129 | 2 |
| 1.25466123 | 0.492180749 | 5.51178887 | 5.80777144 | 1 |
| 4.41506894 | 0.972085821 | 5.3228753 | 2.85136324 | 2 |
| 5.20529809 | 0.317992804 | 7.15341753 | 3.87328113 | 0 |
| 5.66378127 | 0.571916628 | 4.42072469 | 3.7288196 | 3 |
| 4.33285841 | 0.942580535 | 3.33271186 | 3.94301492 | 1 |
| 3.86348195 | 0.036419938 | 2.22262337 | 1.89631585 | 0 |
| 3.10477537 | 0.902523653 | 3.91700141 | 2.77398563 | 1 |
| 9.95073295 | 0.976424165 | 2.6212938 | 1.65530393 | 1 |
| 6.168568 | 0.43475012 | 3.42305257 | 5.90146788 | 0 |
| 8.56979284 | 1.16147122 | 2.68327044 | 4.7218873 | 1 |
| 4.86502586 | 0.75936606 | 2.24062672 | 3.68206969 | 7 |
| 1.67399059 | 0.553433815 | 3.87626098 | 1.89369833 | 4 |
| 3.93832974 | 1.4354814 | 5.26274075 | 3.627048 | 3 |
| 2.93848451 | 1.75410233 | 2.80835703 | 2.79108849 | 0 |
| 7.84550659 | 0.747024991 | 6.45199447 | 3.34531243 | 3 |
| 5.6660516 | 0.611406149 | 4.07880682 | 3.61531436 | 1 |
| 6.89478891 | 1.20125327 | 2.51872108 | 3.59364725 | 1 |
| 6.50061421 | 1.70949947 | 4.61006885 | 1.10991936 | 0 |
| 8.91391287 | 1.08567723 | 5.4312866 | 5.49184922 | 0 |
| 3.44568122 | 1.11008493 | 3.91180754 | 5.07408218 | 0 |
| 0.258585245 | 0.896147061 | 4.01708794 | 2.45443234 | 1 |
| 3.64439044 | 0.385761636 | 8.09443551 | 2.47478048 | 0 |
| 0.508120195 | 1.09822416 | 3.9463628 | 2.9669886 | 0 |
| 4.0782518 | 1.23853342 | 2.96908469 | 2.48930682 | 0 |
| 3.06074202 | 1.82314804 | 4.11103234 | 2.67739507 | 1 |
| 1.18808585 | 0.864513288 | 3.63123996 | 3.69011575 | 4 |
| 8.40760222 | 1.19646251 | 3.37815256 | 5.65362837 | 2 |
| 3.540789 | 0.250354108 | 4.19178799 | 2.32446933 | 3 |
| 2.1862706 | 0.019799359 | 6.08910395 | 3.66545823 | 1 |
| 2.45168795 | 1.11403023 | 1.88916809 | 4.45140016 | 0 |
| 4.75821032 | 0.215959634 | 3.48974523 | 3.6132359 | 0 |
| 8.61778741 | 0.763050557 | 6.77572606 | 8.23940742 | 1 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 1.46030333 | 0.910050974 | 2.27954095 | 2.77839867 | 0 |
| 9.26249401 | 0.2723219 | 4.556838 | 2.596426 | 1 |
| 8.0177806 | 0.619574871 | 3.22399235 | 4.12474135 | 6 |
| 3.83390123 | 0.902128818 | 4.21543779 | 2.9481739 | 3 |
| 0.187093252 | 0.095740147 | 5.82874622 | 5.57487552 | 1 |
| 3.3027372 | 0.17452962 | 3.47561301 | 7.13791035 | 0 |
| 0.573002279 | 0.635657238 | 4.03699737 | 4.19914742 | 1 |
| 5.88252819 | 1.08773218 | 3.64794612 | 3.338215 | 0 |
| 0.727126051 | 0.923762193 | 3.42891843 | 2.30920218 | 4 |
| 3.1137069 | 0.17444919 | 2.2523197 | 3.18108403 | 2 |
| 5.94526879 | 0.473727257 | 2.0917052 | 5.25394575 | 2 |
| 8.63330798 | 0.701805618 | 2.86634468 | 2.36778711 | 0 |
| 4.28921729 | 1.4573151 | 8.63655878 | 3.78643605 | 1 |
| 8.39516315 | 1.83848633 | 2.89838724 | 3.58670235 | 2 |
| 2.57943877 | 0.908815154 | 2.64038262 | 4.83392924 | 1 |
| 2.28142612 | 0.97491385 | 2.87014189 | 6.10729132 | 1 |
| 3.6193168 | 0.944668048 | 1.46998151 | 4.83164937 | 2 |
| 8.77695384 | 0.35206028 | 6.51029399 | 6.06771856 | 0 |
| 4.5035194 | 1.08259563 | 4.92219285 | 3.59631315 | 1 |
| 9.33325914 | 0.965407664 | 5.22425232 | 2.28962045 | 0 |
| 0.612754966 | 1.66988181 | 4.99513525 | 3.90824733 | 0 |
| 4.57833067 | 0.202772152 | 3.27019223 | 3.96092131 | 3 |
| 1.15368793 | 0.531063408 | 2.72496966 | 2.29876923 | 0 |
| 3.29250689 | 1.35992866 | 2.44651776 | 3.44031757 | 1 |
| 7.99267462 | 1.96546368 | 4.17666552 | 4.36004339 | 0 |
| 7.08685111 | 1.71482507 | 3.38255929 | 2.58753964 | 0 |
| 0.792696187 | 1.07261717 | 5.19464635 | 2.29596386 | 4 |
| 4.95323148 | 0.32024931 | 5.74212793 | 6.26992351 | 0 |
| 4.30544808 | 0.828652676 | 5.07160794 | 3.600581 | 5 |
| 3.39787507 | 0.922930815 | 3.33183191 | 3.99620726 | 1 |
| 6.81375555 | 0.548655806 | 7.1519104 | 2.45554488 | 1 |
| 1.16050419 | 0.6173754 | 2.34321168 | 0.104035095 | 0 |
| 4.34943783 | 1.06095909 | 7.56749302 | 4.39344485 | 0 |
| 1.99962914 | 1.54457348 | 2.74196144 | 6.45921742 | 0 |
| 6.33435263 | 0.910274059 | 2.56466237 | 4.58043959 | 2 |
| 8.62708837 | 0.584937409 | 2.69055322 | 5.91379867 | 0 |
| 2.88086266 | 1.09901332 | 2.98198638 | 2.36854718 | 1 |
| 8.37638286 | 1.06580414 | 6.17146228 | 6.03209845 | 1 |
| 6.07166744 | 0.844724545 | 2.57564747 | 6.09939172 | 0 |
| 1.80422054 | 0.505958963 | 3.2044706 | 4.98609007 | 0 |
| 3.90313556 | 0.895594268 | 3.32595243 | 3.42444258 | 0 |
| 7.84960943 | 1.68075866 | 1.79534661 | 3.92425064 | 3 |
| 3.5152641 | 1.38329902 | 4.43547628 | 6.04154224 | 1 |
| 3.20340322 | 1.73670509 | 6.66544386 | 2.84383803 | 1 |
| 6.77191058 | 2.01529406 | 5.28325459 | 3.96561454 | 2 |
| 1.63757595 | 0.378367191 | 4.67245139 | 3.20170008 | 0 |
| 9.72868362 | 0.56395322 | 4.17082479 | 3.8405884 | 0 |
| 0.883759118 | 0.821958122 | 6.64034272 | 4.22439533 | 0 |
| 4.84234108 | 0.48660826 | 5.36802659 | 1.82457242 | 4 |
| 2.0965691 | 1.33161688 | 6.45774712 | 2.86737456 | 0 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 5.76120228 | 0.6375188 | 5.33125833 | 2.60062534 | 0 |
| 1.78446764 | 1.02752317 | 2.48864308 | 0.966569066 | 0 |
| 5.73267623 | 0.386287855 | 5.40710113 | 3.94524788 | 1 |
| 3.64989918 | 0.726866568 | 6.95718326 | 3.64524496 | 0 |
| 9.74686734 | 1.22718272 | 1.49048246 | 2.95907635 | 0 |
| 7.10868566 | 0.474451064 | 2.18693604 | 3.17908028 | 4 |
| 0.223834689 | 0.847531838 | 5.45462496 | 2.84263581 | 0 |
| 0.533790798 | 1.6460339 | 2.3472622 | 3.17888866 | 1 |
| 5.21962332 | 2.00451813 | 10.1051236 | 5.59201407 | 0 |
| 7.50796909 | 0.26766435 | 5.54282147 | 2.86799692 | 1 |
| 3.63548335 | 0.224690657 | 8.23862014 | 2.20434259 | 0 |
| 7.33935202 | 1.19910945 | 6.25062945 | 4.84003125 | 1 |
| 2.84974927 | 0.567033872 | 2.25479628 | 3.56815758 | 0 |
| 0.672443314 | 0.44788866 | 6.20249861 | 2.62411707 | 0 |
| 9.87891156 | 0.102833995 | 3.46953991 | 6.60376955 | 1 |
| 4.10128382 | 1.17313902 | 8.39687656 | 3.63446143 | 0 |
| 1.36361734 | 1.24723427 | 4.47334862 | 1.54141815 | 0 |
| 5.89055288 | 0.472742781 | 2.78806006 | 3.99098821 | 1 |
| 5.85798086 | 0.802512583 | 6.51320289 | 6.77051168 | 0 |
| 1.4656322 | 0.762720972 | 1.67882039 | 1.30767982 | 0 |
| 3.0920868 | 0.72356659 | 2.97221423 | 3.36995238 | 0 |
| 2.88382184 | 0.344986315 | 2.18424155 | 4.51971279 | 3 |
| 2.98267621 | 0.794680102 | 4.07184822 | 3.02487219 | 0 |
| 1.29404556 | 1.72121539 | 7.17437871 | 5.67731293 | 0 |
| 1.39557172 | 1.49281989 | 3.50470211 | 5.55606674 | 1 |
| 7.10523654 | 0.754162061 | 4.91849705 | 6.02595098 | 2 |
| 3.00606244 | 0.132172731 | 4.6870824 | 4.37385491 | 0 |
| 7.73646572 | 1.40391339 | 4.13533673 | 4.34615116 | 3 |
| 5.66872582 | 0.961532796 | 2.42225977 | 5.74593408 | 2 |
| 8.39528596 | 1.15023141 | 1.62435126 | 5.05470043 | 0 |
| 0.508108949 | 0.116113192 | 15.2981917 | 5.43700318 | 2 |
| 4.50898706 | 0.89809433 | 3.63980033 | 5.09328314 | 0 |
| 7.88557044 | 0.751674926 | 2.97288746 | 0.860384637 | 2 |
| 6.12371074 | 0.333746242 | 5.30316862 | 3.22566153 | 1 |
| 0.77543654 | 0.618644328 | 5.28285445 | 2.8621821 | 0 |
| 5.07239973 | 1.55785245 | 2.51774412 | 4.62595935 | 0 |
| 5.41430301 | 0.602596889 | 4.16843194 | 4.94727404 | 0 |
| 8.04286751 | 0.428933404 | 3.99292839 | 4.53616037 | 0 |
| 4.18559902 | 1.43481219 | 5.29183925 | 5.9611424 | 1 |
| 7.79446661 | 0.80318422 | 1.50170075 | 1.99213333 | 0 |
| 0.366303211 | 0.451442164 | 3.75876415 | 2.63599707 | 0 |
| 9.82734318 | 0.727743625 | 2.33355114 | 4.26514381 | 1 |
| 1.45546725 | 1.30805658 | 8.55779599 | 5.4797407 | 2 |
| 7.01929042 | 1.24105351 | 5.31376207 | 6.15832813 | 4 |
| 7.90916148 | 1.27039634 | 4.49101125 | 5.76307231 | 4 |
| 0.910462481 | 1.08770394 | 6.2903921 | 2.29945645 | 4 |
| 7.32978791 | 0.564198458 | 4.06258489 | 5.90245559 | 0 |
| 0.259959337 | 0.540607998 | 4.93896318 | 1.60935591 | 0 |
| 6.14125816 | 1.08374514 | 2.27765765 | 5.29755913 | 1 |
| 6.56865842 | 0.525268992 | 6.49556892 | 4.50733021 | 6 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 1.26112219 | 0.292931405 | 3.13751024 | 4.71375195 | 0 |
| 0.603993493 | 0.590552805 | 4.96111346 | 5.40812043 | 4 |
| 5.85736202 | 1.50029326 | 6.46076666 | 8.18592013 | 0 |
| 3.9333923 | 1.25407667 | 5.11822242 | 4.21251457 | 1 |
| 1.80446323 | 0.200508803 | 5.60296027 | 3.53258941 | 0 |
| 1.63389994 | 0.652980851 | 4.07380685 | 3.28373567 | 2 |
| 3.82647398 | 0.942252597 | 8.02317649 | 2.60443981 | 1 |
| 0.0126652 | 1.08417404 | 2.66724767 | 3.28799684 | 0 |
| 6.22018992 | 1.00938327 | 4.36267167 | 6.47995987 | 2 |
| 6.09822953 | 1.71194913 | 4.59865304 | 3.81209256 | 0 |
| 7.34140936 | 1.2685096 | 2.60563746 | 3.44039791 | 0 |
| 1.06864403 | 0.652844499 | 4.72937388 | 6.4821226 | 1 |
| 2.94359708 | 1.18911904 | 2.55777703 | 3.97368901 | 4 |
| 4.20101485 | 1.13579023 | 4.62390075 | 0.828784471 | 0 |
| 6.51339812 | 0.943831482 | 8.62257848 | 3.31284817 | 1 |
| 3.67299415 | 0.379828771 | 4.35074817 | 2.15738413 | 0 |
| 5.8585121 | 1.11418725 | 6.27809335 | 5.49433904 | 0 |
| 7.52812066 | 0.902256855 | 4.02844113 | 4.22397052 | 3 |
| 0.462107074 | 1.1961341 | 4.50764854 | 3.91460649 | 3 |
| 0.254724391 | 0.379687387 | 6.72914976 | 5.19717137 | 1 |
| 3.18531674 | 1.13403446 | 4.84156 | 1.63003362 | 0 |
| 5.90215705 | 1.26667949 | 5.54571186 | 3.10788785 | 0 |
| 5.76376781 | 1.62689007 | 5.46362592 | 5.80891839 | 6 |
| 8.56653152 | 0.459194145 | 3.79411631 | 3.76908155 | 3 |
| 6.06182689 | 0.74867125 | 2.43746239 | 5.90978973 | 1 |
| 0.199616505 | 0.903221531 | 3.91640025 | 4.98635467 | 6 |
| 8.11795441 | 0.912338209 | 3.79107174 | 6.48598393 | 0 |
| 0.905909452 | 0.156890346 | 7.17990321 | 4.91785972 | 3 |
| 6.85245364 | 1.09224966 | 3.34158468 | 0.720841921 | 0 |
| 1.55496217 | 1.45729184 | 3.46571834 | 2.24760303 | 2 |
| 5.64393261 | 0.856288031 | 2.38180476 | 6.55241631 | 2 |
| 5.27116637 | 1.04800665 | 2.83784928 | 3.24530914 | 0 |
| 6.41966052 | 1.10629456 | 2.40844789 | 5.01468475 | 0 |
| 4.31238243 | 0.231095714 | 2.93242581 | 5.28540655 | 0 |
| 1.24408563 | 0.684123929 | 4.15511161 | 4.74206825 | 0 |
| 2.44899154 | 0.652725998 | 5.67086394 | 2.84628994 | 2 |
| 3.78306331 | 0.513728965 | 2.8321745 | 1.99485631 | 1 |
| 4.62501031 | 0.946140508 | 3.35645584 | 7.42030135 | 5 |
| 6.48041337 | 0.984458304 | 3.43438377 | 6.57354994 | 0 |
| 5.57032279 | 2.20293998 | 4.09687875 | 3.37794917 | 0 |
| 7.37155591 | 0.118046564 | 2.3820598 | 4.39366971 | 0 |
| 9.53758663 | 0.139694086 | 2.39953539 | 4.08785418 | 1 |
| 9.00574329 | 1.3115354 | 3.73503743 | 4.53497805 | 0 |
| 4.03334347 | 1.97535866 | 3.68944908 | 4.29077738 | 0 |
| 3.94704459 | 1.24817333 | 2.35746271 | 4.15139475 | 0 |
| 6.3527407 | 0.448561602 | 2.83531422 | 4.3169461 | 0 |
| 3.76685849 | 0.686188782 | 1.69073849 | 3.56167994 | 0 |
| 9.65128293 | 1.60385576 | 2.39863414 | 2.9515704 | 0 |
| 8.15792403 | 0.75698291 | 2.53622992 | 5.45006829 | 0 |
| 1.28061756 | 1.79572884 | 3.44849066 | 1.59915645 | 0 |

| | | | | |
|-------------|-------------|------------|--------------|---|
| 8.27175894 | 1.18304399 | 2.02254526 | 3.11807696 | 0 |
| 8.45222719 | 1.34220266 | 5.89032155 | 5.33239968 | 1 |
| 0.149026082 | 0.324967212 | 3.63363566 | 7.04301315 | 1 |
| 6.62331336 | 1.08006448 | 4.95852263 | 4.19686769 | 3 |
| 7.55518544 | 0.326845714 | 5.97589198 | 5.29918156 | 1 |
| 4.39705298 | 0.98907613 | 3.06107625 | 2.9241406 | 1 |
| 3.54098774 | 1.24514964 | 3.57384659 | 4.70874952 | 4 |
| 2.77828011 | 0.121359323 | 5.98388902 | 5.77526498 | 0 |
| 5.87006029 | 1.0608313 | 3.10140221 | -0.634524886 | 0 |
| 5.99606002 | 0.73463273 | 5.75362224 | 4.55783865 | 0 |
| 5.54760036 | 0.296323299 | 6.76450988 | 2.11024731 | 0 |
| 2.56562333 | 0.353164813 | 4.26645978 | 2.44030854 | 2 |
| 6.00917062 | 0.367610889 | 4.44374789 | 3.76428315 | 1 |
| 9.12805109 | 0.79566208 | 4.01756678 | 7.47342084 | 0 |
| 3.37647225 | 0.529230381 | 5.60070403 | 3.94465049 | 0 |
| 4.45896873 | 1.42129976 | 4.66399488 | 3.71741122 | 1 |
| 9.74513165 | 0.994323304 | 3.14440338 | 3.89460965 | 0 |
| 5.35052695 | 1.49747968 | 3.56882517 | 1.67784125 | 0 |
| 7.04711361 | 1.48879945 | 2.28466217 | 3.57782212 | 2 |
| 7.27123811 | 0.420981495 | 2.59458685 | 4.15714541 | 0 |
| 8.65398698 | 0.581352088 | 7.03324124 | 4.51173545 | 1 |
| 7.63620153 | 0.827372731 | 3.46802253 | 7.58357585 | 2 |
| 3.72658415 | 0.280960504 | 2.46176667 | 5.01791991 | 0 |
| 3.25032315 | 0.251590096 | 2.6123719 | 3.73031785 | 0 |
| 4.38949126 | 1.15006807 | 2.60982725 | 5.94084819 | 2 |
| 8.82781388 | 0.369357969 | 7.53798733 | 2.69742968 | 0 |
| 0.213361403 | 1.03686464 | 3.23413016 | 4.83526812 | 1 |
| 5.377618 | 0.748605329 | 6.21766914 | 1.95911451 | 1 |
| 1.51544759 | 0.345144736 | 4.77037389 | 3.32186212 | 0 |
| 4.27323134 | 0.734564083 | 3.16468374 | 3.0132385 | 1 |
| 0.586454831 | 0.230503791 | 3.53712011 | 4.26690032 | 3 |
| 2.71778326 | 0.351976791 | 2.98167108 | 2.11550261 | 5 |
| 1.80276979 | 1.3568167 | 1.68507472 | 2.51611118 | 0 |
| 0.587019888 | 0.230299118 | 3.02045563 | 2.06240761 | 0 |
| 9.37352473 | 1.00150271 | 2.55228256 | 3.97546412 | 0 |
| 3.63995045 | 0.401590399 | 5.0836849 | 2.00551555 | 0 |
| 4.08862985 | 1.1479894 | 5.3740398 | 3.39493119 | 1 |
| 7.1737724 | 1.7405001 | 3.59817743 | 4.02018741 | 2 |
| 3.7074593 | 1.23360029 | 3.06633906 | 7.43850885 | 0 |
| 6.80617982 | 0.400072664 | 4.80829383 | 1.58373897 | 0 |
| 0.550451227 | 1.16382206 | 1.87256564 | 4.72178814 | 3 |
| 4.45502409 | 1.2602112 | 1.80668097 | 5.15096634 | 0 |
| 3.08583277 | 0.985247991 | 5.27037391 | 4.94342042 | 0 |
| 6.43733725 | 1.0579352 | 1.70556395 | 3.05699403 | 1 |
| 3.60000421 | 0.505866122 | 2.03412709 | 2.65330116 | 0 |
| 7.13347298 | 0.720862305 | 3.65759302 | 6.60544564 | 1 |
| 2.96271733 | 0.540370499 | 3.07115005 | 4.43432965 | 0 |
| 6.81524535 | 0.572702947 | 6.11370359 | 9.11122515 | 6 |
| 0.51342245 | 0.78386955 | 3.41684804 | 4.44788896 | 0 |
| 1.19941816 | 1.29220119 | 6.02551793 | 3.96831998 | 0 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 1.3647495 | 0.176238096 | 4.0658286 | 1.42939395 | 1 |
| 0.565834071 | 1.77381794 | 3.92889909 | 3.53804726 | 0 |
| 4.57084166 | 0.632685846 | 2.39122628 | 2.99605145 | 0 |
| 3.45520728 | 1.20722952 | 6.6762047 | 4.38788877 | 0 |
| 0.819099513 | 1.47581082 | 5.87804221 | 1.63399752 | 5 |
| 1.9189552 | 1.03211065 | 10.4441134 | 5.50908448 | 2 |
| 2.37290753 | 1.6954872 | 2.83972634 | 5.27725819 | 6 |
| 1.0732893 | 0.324481265 | 3.79296473 | 4.69902243 | 1 |
| 8.23479566 | 1.42775339 | 4.72528777 | 6.01159122 | 0 |
| 6.48761663 | 0.526721308 | 1.96883221 | 4.09626777 | 0 |
| 8.70585849 | 0.653888602 | 6.24956008 | 5.39584833 | 1 |
| 5.62881115 | 0.55493998 | 5.76589847 | 5.0963829 | 1 |
| 5.01658241 | 0.785483983 | 4.60706588 | 3.44811237 | 1 |
| 0.93433107 | 0.722091556 | 4.98350305 | 4.25061635 | 0 |
| 4.54140662 | 0.883812142 | 6.12827013 | 5.58278947 | 0 |
| 1.80610171 | 1.81625768 | 7.04787984 | 2.09781762 | 2 |
| 2.59157007 | 1.55916331 | 5.14710256 | 4.60779565 | 1 |
| 1.74404584 | 2.23366908 | 8.6229909 | 5.74074415 | 0 |
| 2.10094495 | 0.47244707 | 2.33061777 | 6.16515793 | 0 |
| 9.80198777 | 0.51203222 | 3.30891328 | 3.20886811 | 1 |
| 7.47004172 | 1.40566797 | 3.34068435 | 4.26944489 | 0 |
| 6.87452434 | 0.681979028 | 4.01352601 | 3.41174505 | 0 |
| 2.5969477 | 1.33207077 | 10.7104598 | 5.40474349 | 2 |
| 2.29827923 | 1.09792595 | 10.9376012 | 3.60203032 | 2 |
| 6.90139904 | 0.466435481 | 3.98659893 | 5.20358856 | 4 |
| 9.98486498 | 0.837952375 | 1.51504733 | 5.65189787 | 2 |
| 5.54268476 | 0.79931358 | 3.39429959 | 2.21809628 | 2 |
| 9.29915511 | 0.587242719 | 3.89646525 | 2.72580041 | 1 |
| 1.54752295 | 0.813506836 | 2.43115744 | 5.23218384 | 0 |
| 5.80478806 | 0.485424964 | 3.7389024 | 1.96371377 | 1 |
| 0.188976866 | 0.939670884 | 3.44181335 | 0.357770698 | 1 |
| 7.89399795 | 0.276990437 | 4.44507581 | 6.22530508 | 0 |
| 6.26944107 | 0.922147958 | 3.00897936 | 5.32222055 | 1 |
| 7.91704 | 1.4238925 | 5.26276446 | 3.12560928 | 0 |
| 8.43354215 | 0.634233338 | 2.82825349 | 4.53794443 | 0 |
| 1.51098209 | 0.800971912 | 5.55431078 | 2.10215119 | 0 |
| 2.61197429 | 0.202400954 | 4.03754669 | 4.54967931 | 0 |
| 2.02814088 | 1.42103411 | 4.57030616 | 4.91568404 | 0 |
| 2.9767193 | 2.04588171 | 4.72704778 | 6.04300664 | 0 |
| 0.059612433 | 0.853575877 | 8.35979743 | 3.44672952 | 0 |
| 0.034226347 | 1.20519859 | 6.93138827 | 6.00606328 | 0 |
| 3.69585886 | 0.993635767 | 4.17951265 | 5.15634449 | 1 |
| 2.88135774 | 1.33400646 | 3.05673535 | 2.62098667 | 3 |
| 1.08071316 | 0.519151737 | 5.78792968 | 6.10800286 | 2 |
| 9.35092818 | 1.52727458 | 1.86692192 | 4.98960392 | 0 |
| 9.74715561 | 1.56448316 | 6.92542952 | 4.97675077 | 1 |
| 9.2897328 | 0.216710579 | 2.08747337 | 4.22977796 | 2 |
| 6.4199127 | 1.47961508 | 3.32849523 | 2.9919108 | 0 |
| 1.62983744 | 0.350122187 | 2.51968634 | 4.31622146 | 0 |
| 4.2110207 | 0.37430473 | 3.26408215 | 4.88265287 | 0 |

| | | | | |
|-------------|-------------|------------|-------------|---|
| 5.8570916 | 1.81798815 | 2.47039208 | 3.35812179 | 0 |
| 2.82551392 | 0.400469357 | 3.4979316 | 6.17599845 | 0 |
| 8.88361465 | 0.79626558 | 6.50882472 | 1.9336714 | 1 |
| 9.91578265 | 0.066181832 | 3.68709143 | 8.23965259 | 2 |
| 8.13908146 | 0.8234485 | 3.1640297 | 0.648633492 | 1 |
| 8.16796429 | 0.987871229 | 1.79006936 | 6.7201488 | 0 |
| 0.002618933 | 0.414943308 | 3.66539965 | 4.50673259 | 0 |
| 5.05157848 | 0.781681618 | 3.93275324 | 6.40308312 | 2 |
| 1.83903363 | 0.846619567 | 3.86508945 | 1.80180524 | 0 |
| 4.3837252 | 0.569063381 | 5.67985714 | 6.48507384 | 2 |
| 3.17377213 | 1.51246091 | 3.76747665 | 2.98293629 | 0 |
| 5.31936974 | 0.720634941 | 4.8091639 | 5.42039821 | 0 |
| 2.38715196 | 0.595234164 | 5.40726415 | 4.8284898 | 1 |
| 7.97209236 | 0.386139673 | 3.35823836 | 3.48089395 | 0 |
| 7.90915709 | 1.19536679 | 3.78856653 | 2.43712715 | 0 |
| 4.58608762 | 1.00089011 | 8.85790007 | 2.86090875 | 3 |
| 4.53617607 | 0.693790403 | 1.15850936 | 6.32001938 | 0 |
| 6.42307065 | 1.42587567 | 5.36242772 | 4.50457733 | 0 |
| 6.61340303 | 1.49314236 | 2.59577847 | 4.03473678 | 0 |
| 9.13690033 | 1.29480937 | 2.984014 | 6.80004598 | 0 |
| 3.68070744 | 1.13088326 | 2.61812906 | 4.56088972 | 0 |
| 9.0115866 | 0.714139679 | 6.07295345 | 7.28765214 | 1 |
| 8.47211867 | 1.19973802 | 2.16526927 | 5.50669539 | 1 |
| 2.57053551 | 0.431351446 | 4.39390851 | 2.31206653 | 0 |
| 9.35105439 | 1.42496736 | 3.29557648 | 7.60845185 | 1 |
| 6.90101812 | 0.448144133 | 3.6462213 | 4.610217 | 0 |
| 3.19138795 | 0.441544596 | 3.48203301 | 4.04296222 | 3 |
| 1.66079674 | 0.931736632 | 5.6857871 | 3.37617232 | 0 |
| 3.31154268 | 1.04524094 | 5.63182232 | 1.91770727 | 2 |
| 9.88710911 | 0.587534838 | 8.46911876 | 1.8550207 | 1 |
| 1.98348437 | 1.60657542 | 3.01077752 | 3.90077475 | 1 |
| 3.07100239 | 0.531332518 | 4.88657505 | 4.85391663 | 1 |
| 1.8609596 | 1.78448341 | 1.96006925 | 3.26715474 | 1 |
| 2.06664103 | 1.45030793 | 1.47304978 | 1.08136184 | 0 |
| 0.189961384 | 0.372365784 | 1.181142 | 3.04936149 | 0 |
| 9.80490961 | 0.661622179 | 3.2619037 | 3.56996226 | 0 |
| 5.78504057 | 0.837129234 | 4.31352152 | 5.29057272 | 0 |
| 5.54293124 | 1.12685243 | 1.94319442 | 4.18343286 | 0 |
| 9.58746792 | 0.594061931 | 3.61145871 | 3.58059616 | 1 |
| 8.61414337 | 0.66247612 | 3.21671752 | 4.83615292 | 2 |
| 6.98004845 | 0.257131219 | 3.27144117 | 3.25258417 | 0 |
| 6.53072301 | 1.23934723 | 3.44747654 | 4.60737375 | 2 |
| 0.436104829 | 0.193723035 | 3.17316615 | 2.97093169 | 0 |
| 1.56774901 | 0.282072624 | 6.02659205 | 3.71326094 | 3 |
| 2.05181584 | 0.541822483 | 4.55263634 | 5.93942313 | 4 |
| 0.670757857 | 0.898324385 | 5.56897963 | 2.35006075 | 0 |
| 7.72857735 | 1.54035012 | 1.9584851 | 4.37606006 | 2 |
| 1.74052229 | 0.231366145 | 3.15695628 | 1.90392496 | 2 |
| 5.92399747 | 0.591743159 | 3.07732893 | 4.63969585 | 1 |
| 9.88188313 | 0.851258891 | 2.74111818 | 5.42907862 | 0 |

| | | | | |
|------------|-------------|------------|------------|---|
| 4.32196528 | 1.05958278 | 5.58710701 | 1.15635293 | 0 |
| 7.27664291 | 0.822166052 | 6.29217245 | 3.97658544 | 2 |
| 9.96986639 | 0.862447307 | 4.87473424 | 3.38334352 | 3 |
| 8.70907241 | 0.540822724 | 4.51549225 | 3.55636154 | 0 |
| 5.30214742 | 0.085058681 | 5.06380901 | 2.73528847 | 0 |



2
1
1
0
0
1
0
0
0
1
2
1
1
2
2
0
1
2
1
2
3
0
1
1
2
4
0
0
3
1
3
0
1
1
0
0
2
3
1
1
4
1
0
0
0

5
6
2
7
6
5
4
7
4
8
5
4
6
6
7
4
1
5
3
3
7
6
5
3
4
5
3
5
7
3
6
8
5
6
5
5
7
7
8
5
5
7
4
6
6

| | |
|---|---|
| 1 | 6 |
| 1 | 3 |
| 0 | 4 |
| 1 | 5 |
| 1 | 6 |
| 1 | 7 |
| 0 | 3 |
| 1 | 5 |
| 0 | 7 |
| 1 | 5 |
| 0 | 6 |
| 2 | 3 |
| 0 | 6 |
| 0 | 5 |
| 0 | 3 |
| 0 | 7 |
| 2 | 3 |
| 0 | 6 |
| 1 | 3 |
| 0 | 4 |
| 1 | 7 |
| 1 | 5 |
| 2 | 4 |
| 1 | 5 |
| 1 | 3 |
| 0 | 9 |
| 1 | 4 |
| 2 | 7 |
| 0 | 7 |
| 1 | 6 |
| 0 | 6 |
| 2 | 7 |
| 2 | 4 |
| 1 | 2 |
| 0 | 6 |
| 0 | 5 |
| 0 | 6 |
| 0 | 6 |
| 1 | 5 |
| 0 | 3 |
| 2 | 5 |
| 2 | 7 |
| 0 | 2 |
| 1 | 3 |
| 1 | 7 |
| 1 | 9 |
| 0 | 4 |
| 1 | 4 |
| 1 | 5 |
| 0 | 5 |

| | |
|---|----|
| 1 | 6 |
| 0 | 2 |
| 2 | 5 |
| 0 | 6 |
| 1 | 9 |
| 0 | 1 |
| 0 | 8 |
| 0 | 3 |
| 1 | 9 |
| 1 | 3 |
| 1 | 5 |
| 0 | 6 |
| 2 | 7 |
| 2 | 6 |
| 1 | 2 |
| 1 | 7 |
| 0 | 6 |
| 2 | 7 |
| 3 | 3 |
| 3 | 5 |
| 0 | 5 |
| 1 | 5 |
| 1 | 5 |
| 0 | 2 |
| 0 | 5 |
| 1 | 6 |
| 1 | 5 |
| 2 | 5 |
| 1 | 7 |
| 2 | 5 |
| 1 | 7 |
| 2 | 4 |
| 0 | 6 |
| 1 | 5 |
| 1 | 7 |
| 0 | 3 |
| 3 | 3 |
| 1 | 3 |
| 0 | 6 |
| 0 | 10 |
| 1 | 7 |
| 1 | 5 |
| 0 | 2 |
| 0 | 4 |
| 1 | 5 |
| 3 | 6 |
| 0 | 5 |
| 0 | 5 |
| 1 | 7 |
| 1 | 2 |

| | |
|---|---|
| 0 | 6 |
| 1 | 7 |
| 1 | 4 |
| 1 | 3 |
| 1 | 9 |
| 0 | 4 |
| 2 | 4 |
| 0 | 7 |
| 2 | 4 |
| 0 | 4 |
| 0 | 7 |
| 0 | 4 |
| 0 | 2 |
| 2 | 3 |
| 0 | 5 |
| 1 | 7 |
| 1 | 5 |
| 1 | 5 |
| 1 | 4 |
| 1 | 5 |
| 0 | 9 |
| 1 | 6 |
| 0 | 7 |
| 1 | 7 |
| 0 | 8 |
| 0 | 1 |
| 0 | 6 |
| 4 | 4 |
| 0 | 5 |
| 1 | 3 |
| 2 | 5 |
| 0 | 3 |
| 0 | 4 |
| 2 | 6 |
| 1 | 4 |
| 1 | 2 |
| 1 | 4 |
| 1 | 4 |
| 0 | 4 |
| 1 | 6 |
| 2 | 6 |
| 0 | 5 |
| 0 | 4 |
| 2 | 2 |
| 6 | 5 |
| 0 | 4 |
| 0 | 6 |
| 0 | 5 |
| 2 | 9 |
| 1 | 5 |

| | |
|---|---|
| 0 | 3 |
| 1 | 7 |
| 2 | 7 |
| 0 | 7 |
| 0 | 4 |
| 0 | 2 |
| 1 | 4 |
| 2 | 5 |
| 0 | 3 |
| 1 | 6 |
| 1 | 5 |
| 3 | 7 |
| 0 | 4 |
| 2 | 6 |
| 0 | 5 |
| 2 | 4 |
| 0 | 5 |
| 1 | 7 |
| 0 | 2 |
| 1 | 6 |
| 0 | 5 |
| 1 | 4 |
| 1 | 3 |
| 2 | 6 |
| 2 | 2 |
| 1 | 7 |
| 0 | 3 |
| 0 | 4 |
| 0 | 2 |
| 0 | 3 |
| 1 | 7 |
| 0 | 2 |
| 0 | 5 |
| 1 | 5 |
| 1 | 5 |
| 1 | 3 |
| 0 | 3 |
| 0 | 5 |
| 0 | 4 |
| 1 | 7 |
| 1 | 7 |
| 1 | 4 |
| 1 | 4 |
| 1 | 7 |
| 2 | 7 |
| 0 | 6 |
| 2 | 5 |
| 2 | 5 |
| 1 | 7 |
| 1 | 3 |

| | |
|---|----|
| 1 | 3 |
| 0 | 9 |
| 0 | 7 |
| 0 | 3 |
| 2 | 1 |
| 0 | 5 |
| 3 | 4 |
| 2 | 4 |
| 1 | 5 |
| 0 | 6 |
| 1 | 9 |
| 0 | 3 |
| 2 | 5 |
| 1 | 3 |
| 0 | 8 |
| 0 | 5 |
| 1 | 8 |
| 0 | 7 |
| 1 | 4 |
| 2 | 6 |
| 0 | 5 |
| 1 | 2 |
| 0 | 8 |
| 1 | 6 |
| 1 | 4 |
| 2 | 5 |
| 1 | 5 |
| 0 | 8 |
| 2 | 4 |
| 3 | 5 |
| 0 | 4 |
| 1 | 3 |
| 0 | 6 |
| 2 | 8 |
| 3 | 1 |
| 1 | 6 |
| 4 | 2 |
| 0 | 7 |
| 2 | 7 |
| 0 | 3 |
| 1 | 3 |
| 1 | 6 |
| 0 | 10 |
| 1 | 7 |
| 1 | 5 |
| 0 | 3 |
| 1 | 4 |
| 3 | 4 |
| 1 | 6 |
| 1 | 5 |

| | |
|---|----|
| 0 | 4 |
| 0 | 5 |
| 1 | 4 |
| 2 | 5 |
| 1 | 6 |
| 2 | 2 |
| 3 | 2 |
| 2 | 4 |
| 0 | 4 |
| 0 | 6 |
| 3 | 5 |
| 2 | 4 |
| 0 | 6 |
| 2 | 3 |
| 4 | 6 |
| 0 | 6 |
| 1 | 6 |
| 2 | 5 |
| 1 | 5 |
| 3 | 6 |
| 0 | 5 |
| 1 | 7 |
| 2 | 6 |
| 0 | 3 |
| 0 | 10 |
| 0 | 8 |
| 1 | 4 |
| 0 | 4 |
| 3 | 5 |
| 1 | 5 |
| 1 | 5 |
| 2 | 6 |
| 2 | 7 |
| 2 | 2 |
| 0 | 8 |
| 1 | 5 |
| 1 | 7 |
| 0 | 2 |
| 0 | 9 |
| 1 | 6 |
| 1 | 2 |
| 0 | 7 |
| 0 | 5 |
| 0 | 6 |
| 2 | 7 |
| 2 | 1 |
| 1 | 4 |
| 1 | 1 |
| 3 | 6 |
| 0 | 4 |

| | |
|---|---|
| 0 | 4 |
| 3 | 4 |
| 1 | 3 |
| 1 | 5 |
| 0 | 6 |
| 0 | 7 |
| 1 | 7 |
| 1 | 4 |
| 3 | 4 |
| 2 | 6 |
| 1 | 6 |
| 2 | 5 |
| 1 | 6 |
| 2 | 2 |
| 4 | 4 |
| 1 | 3 |
| 2 | 5 |
| 2 | 3 |
| 0 | 5 |
| 4 | 3 |
| 3 | 5 |
| 0 | 5 |
| 2 | 4 |
| 1 | 4 |
| 2 | 4 |
| 1 | 4 |
| 1 | 4 |
| 0 | 5 |
| 0 | 8 |
| 4 | 8 |
| 0 | 5 |
| 0 | 3 |
| 1 | 6 |
| 0 | 3 |
| 2 | 4 |
| 0 | 4 |
| 1 | 3 |
| 2 | 5 |
| 0 | 6 |
| 1 | 5 |
| 1 | 5 |
| 2 | 4 |
| 0 | 4 |
| 0 | 3 |
| 2 | 6 |
| 0 | 6 |
| 2 | 3 |
| 1 | 3 |
| 0 | 3 |
| 0 | 4 |
| 2 | 6 |

2
1
0
0
0
1
2
2
0
0
1
1
1
1
1
1
0
0
0
1
1
0
1
0
0
1
2
0
2
0
2
2
1
1
2
1
0
0
1
1
0
2
0
2
0
3
1
1

5
6
2
2
8
2
6
5
6
5
3
3
6
3
6
3
3
6
4
5
7
9
5
4
3
6
4
5
3
4
6
3
9
5
6
3
1
7
3
4
10
5
5
2
3
4
2
8
5
6

| | |
|---|---|
| 1 | 6 |
| 1 | 4 |
| 0 | 4 |
| 2 | 4 |
| 0 | 5 |
| 0 | 5 |
| 0 | 4 |
| 3 | 7 |
| 2 | 7 |
| 0 | 6 |
| 1 | 0 |
| 2 | 4 |
| 1 | 8 |
| 1 | 5 |
| 2 | 4 |
| 0 | 5 |
| 2 | 5 |
| 0 | 4 |
| 2 | 6 |
| 1 | 4 |
| 1 | 4 |
| 0 | 3 |
| 0 | 9 |
| 4 | 6 |
| 0 | 5 |
| 4 | 1 |
| 1 | 8 |
| 1 | 7 |
| 0 | 3 |
| 1 | 3 |
| 2 | 5 |
| 1 | 9 |
| 1 | 6 |
| 2 | 5 |
| 0 | 6 |
| 2 | 9 |
| 0 | 3 |
| 1 | 5 |
| 0 | 8 |
| 1 | 4 |
| 1 | 6 |
| 0 | 6 |
| 0 | 7 |
| 0 | 8 |
| 0 | 4 |
| 2 | 4 |
| 1 | 7 |
| 3 | 7 |
| 0 | 2 |
| 1 | 4 |

| | |
|---|---|
| 0 | 3 |
| 1 | 7 |
| 2 | 2 |
| 2 | 4 |
| 0 | 7 |
| 0 | 4 |
| 0 | 4 |
| 2 | 3 |
| 1 | 8 |
| 1 | 6 |
| 0 | 4 |
| 2 | 2 |
| 0 | 7 |
| 1 | 4 |
| 0 | 2 |
| 2 | 6 |
| 1 | 8 |
| 0 | 9 |
| 1 | 5 |
| 0 | 6 |
| 1 | 6 |
| 0 | 7 |
| 1 | 8 |
| 1 | 5 |
| 0 | 8 |
| 2 | 3 |
| 0 | 6 |
| 1 | 4 |
| 0 | 4 |
| 1 | 5 |
| 2 | 3 |
| 2 | 4 |
| 3 | 3 |
| 0 | 7 |
| 1 | 4 |
| 0 | 5 |
| 0 | 4 |
| 0 | 3 |
| 0 | 8 |
| 0 | 3 |
| 0 | 5 |
| 0 | 5 |
| 3 | 5 |
| 0 | 8 |
| 1 | 3 |
| 1 | 6 |
| 1 | 5 |
| 1 | 4 |
| 1 | 7 |
| 2 | 5 |

| | |
|---|---|
| 0 | 7 |
| 0 | 6 |
| 3 | 6 |
| 0 | 5 |
| 1 | 7 |
| 0 | 1 |
| 1 | 4 |
| 0 | 4 |
| 0 | 2 |
| 1 | 5 |
| 0 | 6 |
| 1 | 4 |
| 1 | 5 |
| 1 | 3 |
| 2 | 7 |
| 1 | 6 |
| 1 | 3 |
| 0 | 1 |
| 2 | 5 |
| 2 | 3 |
| 0 | 3 |
| 0 | 4 |
| 3 | 5 |
| 1 | 4 |
| 0 | 4 |
| 1 | 5 |
| 1 | 7 |
| 2 | 5 |
| 1 | 8 |
| 0 | 4 |
| 0 | 5 |
| 1 | 1 |
| 2 | 6 |
| 1 | 5 |
| 0 | 2 |
| 1 | 3 |
| 0 | 7 |
| 1 | 2 |
| 0 | 5 |
| 0 | 6 |
| 1 | 3 |
| 0 | 4 |
| 0 | 7 |
| 0 | 6 |
| 0 | 6 |
| 0 | 3 |
| 0 | 5 |
| 3 | 6 |
| 1 | 7 |
| 3 | 3 |

| | |
|---|----|
| 1 | 7 |
| 2 | 5 |
| 0 | 3 |
| 1 | 7 |
| 1 | 6 |
| 0 | 5 |
| 0 | 6 |
| 0 | 3 |
| 0 | 4 |
| 2 | 7 |
| 0 | 8 |
| 1 | 3 |
| 2 | 7 |
| 2 | 4 |
| 2 | 3 |
| 0 | 7 |
| 0 | 5 |
| 1 | 8 |
| 1 | 3 |
| 0 | 3 |
| 1 | 5 |
| 1 | 3 |
| 0 | 3 |
| 0 | 8 |
| 1 | 2 |
| 2 | 1 |
| 1 | 2 |
| 0 | 3 |
| 2 | 5 |
| 0 | 7 |
| 1 | 5 |
| 1 | 6 |
| 2 | 5 |
| 2 | 5 |
| 2 | 10 |
| 1 | 4 |
| 0 | 7 |
| 1 | 5 |
| 0 | 5 |
| 1 | 3 |
| 3 | 5 |
| 2 | 1 |
| 0 | 5 |
| 1 | 6 |
| 0 | 3 |
| 2 | 6 |
| 0 | 3 |
| 0 | 7 |
| 1 | 6 |
| 0 | 6 |

| | |
|---|----|
| 0 | 3 |
| 1 | 3 |
| 1 | 2 |
| 0 | 4 |
| 1 | 8 |
| 1 | 2 |
| 1 | 4 |
| 0 | 4 |
| 0 | 4 |
| 1 | 4 |
| 0 | 2 |
| 3 | 3 |
| 0 | 2 |
| 0 | 4 |
| 0 | 2 |
| 0 | 5 |
| 1 | 4 |
| 0 | 10 |
| 1 | 6 |
| 0 | 6 |
| 1 | 5 |
| 0 | 3 |
| 0 | 6 |
| 1 | 7 |
| 1 | 6 |
| 2 | 7 |
| 1 | 9 |
| 1 | 5 |
| 1 | 6 |
| 0 | 3 |
| 1 | 8 |
| 1 | 2 |
| 2 | 4 |
| 1 | 6 |
| 0 | 4 |
| 1 | 4 |
| 2 | 5 |
| 1 | 6 |
| 1 | 3 |
| 0 | 12 |
| 0 | 5 |
| 1 | 2 |
| 0 | 4 |
| 1 | 3 |
| 0 | 8 |
| 0 | 5 |
| 0 | 5 |
| 1 | 5 |
| 0 | 5 |
| 0 | 3 |

| | |
|---|----|
| 1 | 2 |
| 3 | 4 |
| 1 | 3 |
| 1 | 5 |
| 0 | 5 |
| 0 | 7 |
| 1 | 7 |
| 0 | 10 |
| 1 | 2 |
| 2 | 6 |
| 2 | 5 |
| 1 | 6 |
| 0 | 4 |
| 1 | 9 |
| 3 | 4 |
| 2 | 6 |
| 2 | 4 |
| 0 | 3 |
| 0 | 3 |
| 0 | 3 |
| 0 | 4 |
| 1 | 6 |
| 1 | 5 |
| 1 | 4 |
| 1 | 4 |
| 1 | 4 |
| 1 | 3 |
| 2 | 3 |
| 2 | 8 |
| 0 | 2 |
| 3 | 7 |
| 1 | 2 |
| 0 | 5 |
| 0 | 5 |
| 0 | 3 |
| 1 | 3 |
| 1 | 4 |
| 1 | 4 |
| 0 | 7 |
| 1 | 2 |
| 1 | 3 |
| 1 | 4 |
| 2 | 4 |
| 0 | 3 |
| 1 | 6 |
| 2 | 4 |
| 2 | 3 |
| 3 | 4 |
| 1 | 2 |
| 0 | 4 |
| 3 | 6 |

| | |
|---|----|
| 0 | 3 |
| 3 | 6 |
| 0 | 3 |
| 0 | 3 |
| 2 | 5 |
| 2 | 10 |
| 1 | 6 |
| 3 | 9 |
| 3 | 6 |
| 2 | 3 |
| 0 | 5 |
| 3 | 4 |
| 0 | 3 |
| 0 | 8 |
| 0 | 3 |
| 0 | 7 |
| 1 | 5 |
| 2 | 7 |
| 0 | 7 |
| 2 | 4 |
| 1 | 6 |
| 1 | 5 |
| 2 | 8 |
| 1 | 5 |
| 0 | 7 |
| 0 | 7 |
| 1 | 5 |
| 1 | 7 |
| 1 | 10 |
| 0 | 3 |
| 2 | 4 |
| 3 | 10 |
| 0 | 6 |
| 1 | 5 |
| 0 | 4 |
| 3 | 3 |
| 1 | 6 |
| 1 | 4 |
| 2 | 6 |
| 1 | 3 |
| 2 | 8 |
| 1 | 4 |
| 0 | 9 |
| 0 | 6 |
| 0 | 8 |
| 2 | 5 |
| 1 | 6 |
| 0 | 6 |
| 1 | 6 |
| 0 | 5 |

| | |
|---|---|
| 1 | 6 |
| 0 | 6 |
| 2 | 6 |
| 0 | 3 |
| 1 | 5 |
| 0 | 8 |
| 0 | 5 |
| 1 | 6 |
| 0 | 4 |
| 0 | 5 |
| 3 | 4 |
| 0 | 5 |
| 0 | 4 |
| 2 | 2 |
| 0 | 3 |
| 2 | 7 |
| 2 | 5 |
| 0 | 6 |
| 1 | 7 |
| 2 | 3 |
| 0 | 8 |
| 2 | 3 |
| 0 | 3 |
| 3 | 8 |
| 0 | 4 |
| 1 | 5 |
| 2 | 5 |
| 0 | 6 |
| 1 | 3 |
| 0 | 7 |
| 1 | 4 |
| 1 | 6 |
| 1 | 3 |
| 1 | 4 |
| 0 | 6 |
| 1 | 3 |
| 0 | 4 |
| 1 | 7 |
| 0 | 9 |
| 0 | 3 |
| 0 | 4 |
| 6 | 3 |
| 2 | 4 |
| 3 | 8 |
| 0 | 6 |
| 1 | 5 |
| 1 | 7 |
| 3 | 5 |
| 2 | 6 |
| 1 | 4 |

| | |
|---|----|
| 1 | 4 |
| 2 | 3 |
| 1 | 7 |
| 3 | 7 |
| 2 | 6 |
| 0 | 7 |
| 0 | 4 |
| 1 | 5 |
| 2 | 6 |
| 1 | 6 |
| 0 | 8 |
| 0 | 6 |
| 0 | 4 |
| 0 | 4 |
| 0 | 4 |
| 0 | 5 |
| 1 | 4 |
| 2 | 7 |
| 1 | 8 |
| 2 | 6 |
| 1 | 6 |
| 1 | 4 |
| 3 | 4 |
| 3 | 8 |
| 0 | 8 |
| 1 | 4 |
| 3 | 3 |
| 3 | 8 |
| 1 | 7 |
| 1 | 8 |
| 0 | 8 |
| 1 | 7 |
| 2 | 8 |
| 2 | 6 |
| 1 | 5 |
| 0 | 10 |
| 2 | 7 |
| 2 | 4 |
| 0 | 8 |
| 1 | 4 |
| 1 | 5 |
| 0 | 6 |
| 1 | 8 |
| 1 | 7 |
| 0 | 5 |
| 3 | 6 |
| 2 | 3 |
| 0 | 8 |
| 0 | 7 |
| 2 | 3 |

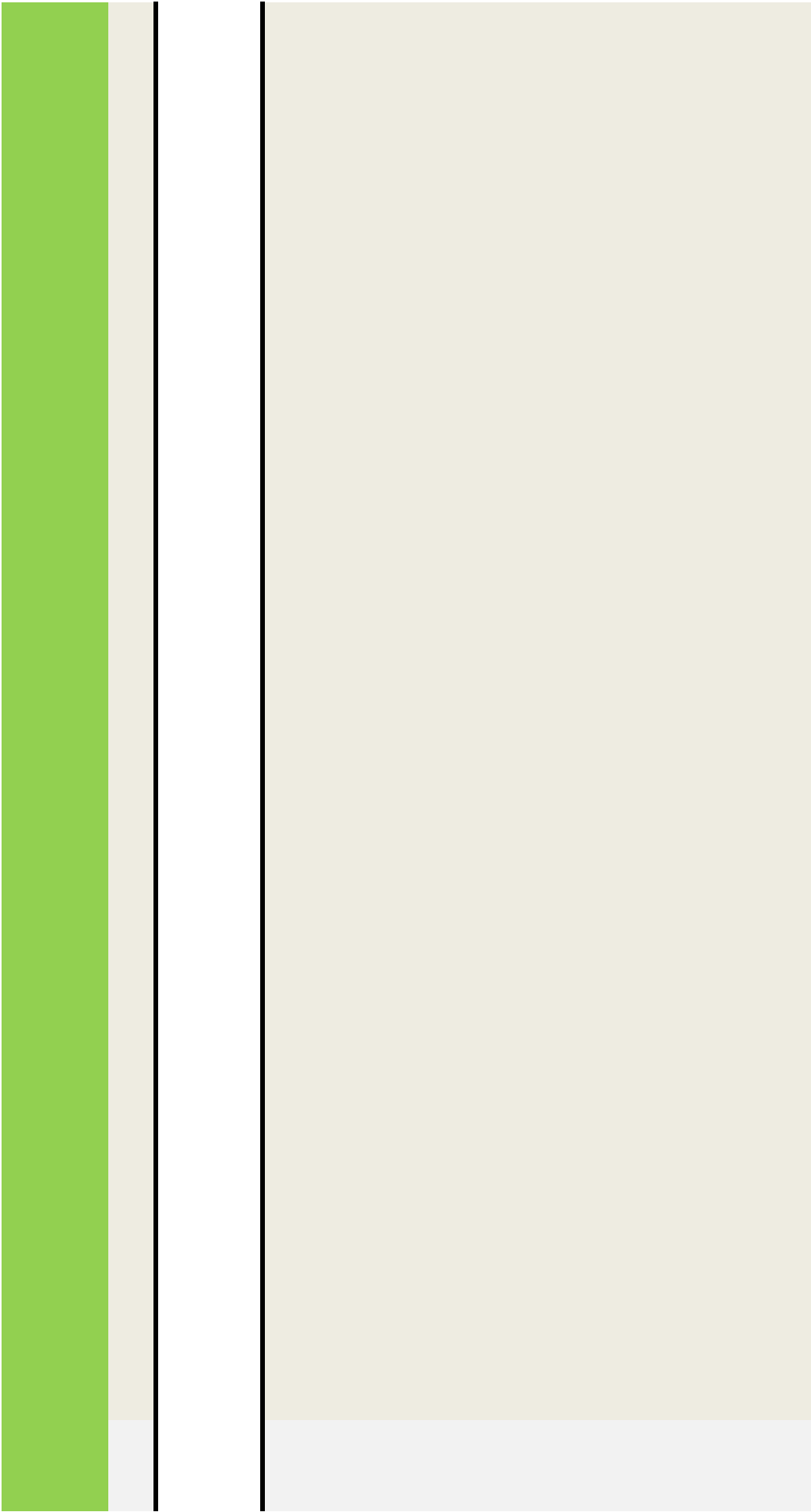
| | |
|---|----|
| 2 | 8 |
| 0 | 5 |
| 1 | 6 |
| 1 | 3 |
| 0 | 4 |
| 1 | 2 |
| 0 | 5 |
| 0 | 2 |
| 2 | 7 |
| 1 | 6 |
| 3 | 3 |
| 4 | 4 |
| 1 | 4 |
| 0 | 2 |
| 1 | 11 |
| 0 | 5 |
| 3 | 5 |
| 0 | 7 |
| 1 | 4 |
| 2 | 5 |
| 0 | 9 |
| 2 | 3 |
| 1 | 7 |
| 0 | 9 |
| 0 | 5 |
| 0 | 6 |
| 0 | 7 |
| 0 | 2 |
| 0 | 1 |
| 2 | 5 |
| 1 | 2 |
| 1 | 5 |
| 0 | 8 |
| 1 | 1 |
| 0 | 4 |
| 1 | 5 |
| 3 | 3 |
| 2 | 5 |
| 1 | 7 |
| 0 | 3 |
| 3 | 6 |
| 1 | 3 |
| 1 | 5 |
| 2 | 5 |
| 2 | 6 |
| 1 | 4 |
| 1 | 7 |
| 1 | 4 |
| 2 | 3 |
| 2 | 6 |

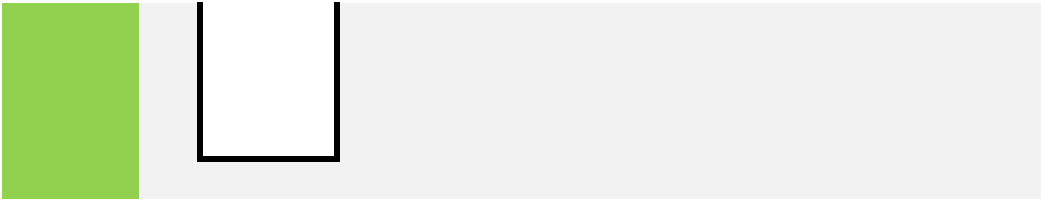
| | |
|---|---|
| 0 | 4 |
| 1 | 4 |
| 1 | 2 |
| 3 | 7 |
| 0 | 2 |
| 0 | 4 |
| 5 | 7 |
| 1 | 5 |
| 0 | 6 |
| 2 | 5 |
| 0 | 5 |
| 1 | 6 |
| 1 | 7 |
| 1 | 3 |
| 1 | 6 |
| 0 | 4 |
| 0 | 4 |
| 0 | 4 |
| 1 | 3 |
| 1 | 7 |
| 1 | 6 |
| 1 | 2 |
| 1 | 6 |
| 0 | 6 |
| 3 | 5 |
| 1 | 2 |
| 2 | 5 |
| 0 | 7 |
| 4 | 3 |
| 1 | 4 |
| 3 | 6 |
| 2 | 4 |
| 1 | 4 |
| 0 | 4 |
| 3 | 5 |
| 0 | 3 |
| 2 | 2 |
| 3 | 4 |
| 1 | 4 |
| 2 | 4 |
| 0 | 4 |
| 1 | 7 |
| 0 | 2 |
| 0 | 7 |
| 3 | 4 |
| 2 | 5 |
| 1 | 6 |
| 1 | 8 |
| 1 | 5 |
| 1 | 4 |

| | | | |
|--|---|--|---|
| | 3 | | 7 |
| | 2 | | 9 |
| | 1 | | 5 |
| | 1 | | 5 |
| | 1 | | 4 |

Vygenerujte 100 normálně rozdělených hodnot o průměru 5:

| |
|--|
| |
|--|





Pracujte s tabulkami kritických hodnot na webu <http://cit.vfu.cz/statwelf/WELF>
Předpokládejme nyní, že jsme již zjistili, že střední hodnota koncentrace měřené látky je 320 $\mu\text{g m}^{-3}$.
Zjistěte:

Pravděpodobnost, že koncentrace je větší než 320 $\mu\text{g m}^{-3}$.

Střední hodnota μ $\mu\text{g m}^{-3}$

Směrodatná odchylka σ $\mu\text{g m}^{-3}$

Normovaná Z-statistika Z

Hodnota distribuční funkce F(Z)

Pravděpodobnost $P(X > 320)$ %

Nyní spočtete (při znalosti vlastností distribuční funkce F(X)) podobným způsobem pravděpodobnosti v následujících příkladech:

Distribuční funkce: až

Distribuční funkce: až

Distribuční funkce: až

Distribuční funkce: až

Distribuční funkce: až

Distribuční funkce: až

Distribuční funkce: až

Distribuční funkce: až

Proč není součet 100 %?

Na závěr vložte na list graf sloupcový graf výsledků - o jaký graf se jedná?

[Teorie\tabulky.htm](#).

ky je $300 \mu\text{g m}^{-3}$ se směrodatnou odchylkou $12 \mu\text{g m}^{-3}$.

Pravděpodobnost, že koncentrace se nachází v následujících koncentračních pásmech

Pravděpodobnost, že koncentrace je $260 \mu\text{g m}^{-3}$ až $270 \mu\text{g m}^{-3}$:

Pravděpodobnost, že koncentrace je $270 \mu\text{g m}^{-3}$ až $280 \mu\text{g m}^{-3}$:

Pravděpodobnost, že koncentrace je $280 \mu\text{g m}^{-3}$ až $290 \mu\text{g m}^{-3}$:

Pravděpodobnost, že koncentrace je $290 \mu\text{g m}^{-3}$ až $300 \mu\text{g m}^{-3}$:

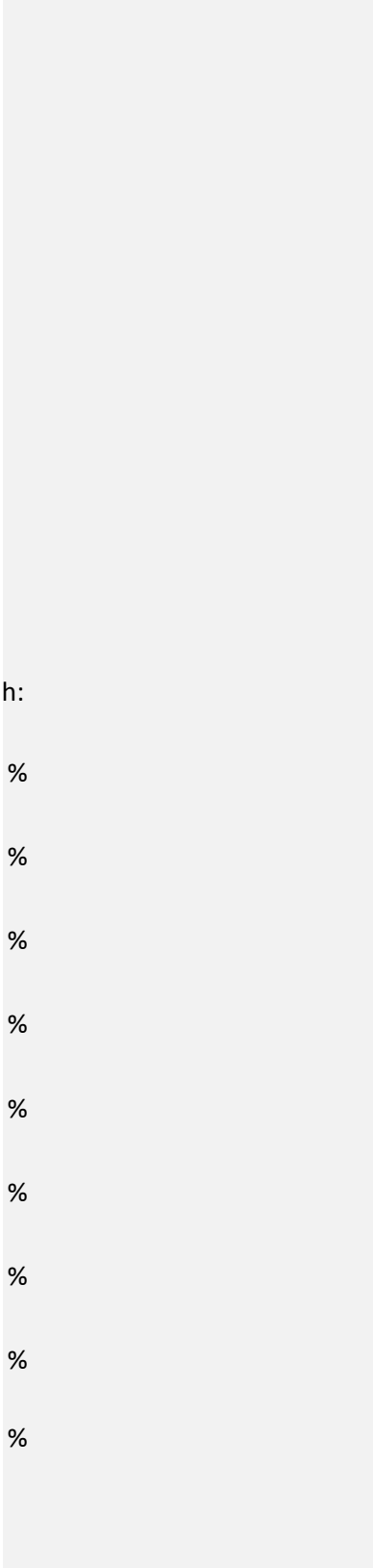
Pravděpodobnost, že koncentrace je $300 \mu\text{g m}^{-3}$ až $310 \mu\text{g m}^{-3}$:

Pravděpodobnost, že koncentrace je $310 \mu\text{g m}^{-3}$ až $320 \mu\text{g m}^{-3}$:

Pravděpodobnost, že koncentrace je $320 \mu\text{g m}^{-3}$ až $330 \mu\text{g m}^{-3}$:

Pravděpodobnost, že koncentrace je $330 \mu\text{g m}^{-3}$ až $340 \mu\text{g m}^{-3}$:

Součet:



h:

%

%

%

%

%

%

%

%

%