	CPLEX	CP	GREEDY-1	GREEDY-2	GREEDY-1+CPLEX	GREEDY-2+CPLEX	minH
instance min100	obj t[s] #guards	obj t[s] #guards #hitsOpt sdOpt	obj t[s] #guards #hitsOpt #sdOpt #hitsMinH sdMinH	obj t[s] #guards #hitsOpt sdOpt #hitsMinH sdMinH	obj t[s] #guards #hitsOpt sdOpt #hitsMinF sdMinH	obj t[s] #guards #hitsOpt sdOpt #hitsMinH sdMinH	obj 17.4487
min100 min102	15.3959 0.00505 18 15.681 0.00377 19	15.3959 78.5993 18 1 0 15.9741 85.7696 19 0 0.08591	22.1408 0.00105 26 0 45.4937 0 22.0158 22.8621 0.0008 27 0 51.5682 0 21.9933	18.915 0.00091 19 0 12.3841 0 2.15004 19.7845 0.00145 20 0 16.8387 0 2.59887	17.4487 0.2152 20 0 4.21399 1 0 18.319 0.00394 21 0 6.95904 0 0.02149	17.5953 0.00389 19 0 4.83736 0 0.02149 18.1724 0.00349 19 0 6.20707 1 0	17.4487
min104	15.9662 0.40472 19	15.9662 91.0393 19 1 0	20.0676 0.00165 21 0 16.8215 0 1.73791	20.9465 0.00075 21 0 24.8034 0 4.82769	18.7493 0.00414 20 0 7.74565 1 0	18.7493 0.00306 20 0 7.74565 1 0	18.7493
min106 min108	16.2514 0.41167 19 16.5366 0.00328 20	16.2514 101.97 19 1 0 16.5366 104.261 20 1 0	23.7182 0.00239 28 0 55.7531 0 24.7795 23.4146 0.00235 27 0 47.3069 0 20.5807	20.6436 0.00208 21 0 19.2914 0 3.62255 20.9268 0.00106 21 0 19.2739 0 4.19758	18.8867 0.00448 22 0 6.94481 0 0.02143 18.878 0.00509 22 0 5.48215 1 0	18.7403 0.00263 20 0 6.19462 1 0 19.0244 0.00184 20 0 6.18915 0 0.02143	18.7403 18.878
min10	1.72414 0.28857 2	1.72414 0.02454 2 1 0	2.58621 0 3 0 0.74316 1 0	2.93103 0 3 0 1.45658 0 0.1189	2.75862 0.00145 3 0 1.07015 0 0.02973	2.75862 0.00227 3 0 1.07015 0 0.02973	2.58621
min110 min112	16.8218 0.37306 20 17.107 0.00336 20	17.1144 80.0967 20 0 0.08561 17.107 98.9905 20 1 0	24.5745 0.00131 29 0 60.1044 0 24.7347 24.4178 0.00134 29 0 53.4478 0 24.7138	20.625 0.00106 21 0 14.4643 0 1.04837 20.9086 0.00213 21 0 14.4522 0 2.13774	19.7473 0.00383 23 0 8.55855 0 0.02137 19.4465 0.00331 23 0 5.47326 1 0	19.6011 0.00393 21 0 7.72451 1 0 19.5927 0.00478 21 0 6.1787 0 0.02137	19.6011 19.4465
min112	17.107 0.00336 20	17.6846 95.8858 21 0 0.08544	24.41/8 0.00134 29 0 53.44/8 0 24.7138 25.5769 0.00141 30 0 66.9877 0 34.1769	21.7769 0.00117 22 0 19.2247 0 4.18653	19.7308 0.01325 23 0 5.46858 1 0	19.8769 0.00464 21 0 6.1787 0 0.02137	19.7308
min116	17.6776 0.00344 21	17.6776 107.658 21 1 0	25.5667 0.00258 30 0 62.2379 0 26.1458	21.7683 0.00237 22 0 16.7338 0 1.72896	20.5995 0.00511 24 0 8.5375 0 0.02135	20.4534 0.00459 22 0 7.70507 1 0	20.4534
min118 min120	17.9629 0.00598 21 18.2482 0.00419 22	17.9629 101.612 21 1 0 18.2482 114.109 22 1 0	26.2871 0.00147 31 0 69.2923 0 34.1243 23.0657 0.00233 24 0 23.2083 0 5.45596	22.6361 0.00128 23 0 21.8388 0 4.79873 22.9197 0.00255 23 0 21.8229 0 4.79522	20.5916 0.21906 24 0 6.91006 0 0.02135 20.7299 0.00335 22 0 6.15883 1 0	20.4455 0.00403 22 0 6.1633 1 0 20.7299 0.00376 22 0 6.15883 1 0	20.4455 20.7299
min122	18.5335 0.0027 22	18.5335 96.9471 22 1 0	22.9115 0.00235 24 0 19.1669 0 1.72502	22.6196 0.00259 23 0 16.6962 0 1.04346	21.5981 0.00463 23 0 9.39177 1 0	21.5981 0.00394 23 0 9.39177 1 0	21.5981
min124 min126	18.8188 0.00621 22 19.1042 0.00388 23	19.1106 107.637 23 0 0.08515 19.1042 131.703 23 1 0	27.4259 0.00291 32 0 74.0822 0 34.0507 28 0.00166 33 0 79.1353 0 37.5156	22.9035 0.00263 23 0 16.6848 0 1.72371 23.7708 0.001 24 0 21.7772 0 3.59406	22.32 0.00221 26 0 12.2584 0 0.53202 22.3125 0.00451 26 0 10.2932 0 0.19141	21.5906 0.00264 23 0 7.68288 1 0 21.875 0.00479 23 0 7.67733 1 0	21.5906
min126 min128	19.3895 0.00427 23	19.1042 131.703 23 1 0 19.9727 128.952 23 0 0.34012	28 0.00166 33 0 79.1353 0 37.5156 27.9909 0.00118 33 0 73.9841 0 30.6905	23.7708 0.001 24 0 21.7772 0 3.59406 24.9294 0.00149 25 0 30.6905 0 6.14247	22.5968 0.08762 26 0 10.2932 0 0.19141 22.5968 0.08762 26 0 10.2868 0 0.02126	22.451 0.00496 24 0 9.37278 1 0	22.451
min12	2 0.10013 2	2 0.08552 2 1 0	2.83333 0 3 0 0.69444 0 0.69444	3 0 3 0 1 0 1	2 0.00171 2 1 0 1 0	2.66667 0.00221 3 0 0.44445 0 0.44445	2
min130 min132	19.6749 0.0052 23 19.9603 0.00464 24	19.9664 119.76 23 0 0.08497 20.2517 121.551 24 0 0.08491	29.0022 0.0035 34 0 86.9985 0 43.0113 25.0596 0.00275 26 0 26.0029 0 5.43403	24.63 0.00302 25 0 24.553 0 4.77903 24.9139 0.00291 25 0 24.5382 0 4.77597	22.8812 0.00582 27 0 10.2804 0 0.19123 22.7285 0.00522 24 0 7.66293 1 0	22.4439 0.003 24 0 7.66736 1 0 22.7285 0.00471 24 0 7.66293 1 0	22.4439 22.7285
min134	20.2457 0.00692 24	20.537 129.646 24 0 0.08486	24.9065 0.00251 26 0 21.7231 0 2.56704	24.6152 0.00233 25 0 19.0925 0 1.71846	23.3043 0.6005 25 0 9.35503 1 0	23.3043 0.00516 25 0 9.35503 1 0	23.3043
min136 min138	20.531 0.00681 24 20.8165 0.00494 25	20.531 118.294 24 1 0 21.2532 137.179 25 0 0.19071	29.7045 0.00375 35 0 84.1531 0 41.0484 25.7658 0.00148 27 0 24.4956 0 4.76767	24.8994 0.00156 25 0 19.0829 0 2.56576 25.7658 0.00167 26 0 24.4956 0 4.76767	24.0257 0.00511 28 0 12.2129 0 0.53013 23.5823 0.00447 25 0 7.64965 1 0	23.2976 0.00563 25 0 7.65408 1 0 23.5823 0.00224 25 0 7.64965 1 0	23.2976 23.5823
min138 min140	21.1019 0.00535 25	21.1019 145.11 25 1 0	30.8524 0.00409 36 0 95.0723 0 48.7972	26.9231 0.00348 27 0 33.8864 0 9.34036	23.8669 0.00719 27 0 7.64523 1 0	24.158 0.00422 26 0 9.33975 0 0.08474	23.8669
min142	21.3873 0.00382 25	21.3873 131.158 25 1 0	26.625 0.00158 28 0 27.4335 0 4.76287	26.625 0.00328 27 0 27.4335 0 4.76287	24.4426 0.00506 26 0 9.33486 1 0	24.4426 0.0053 26 0 9.33486 1 0	24.4426
min144 min146	21.6727 0.00492 26 21.9582 0.00431 26	21.9636 143.359 26 0 0.08462 21.9582 158.155 26 1 0	30.8364 0.00292 36 0 83.9734 0 37.3211 32.2829 0.00233 38 0 106.599 0 48.7218	26.9091 0.00184 27 0 27.4199 0 4.76025 26.6115 0.00185 27 0 21.6532 0 1.7127	25.4545 0.00593 30 0 14.302 0 0.52882 25.739 0.00448 30 0 14.2944 0 0.19027	24.7273 0.00341 26 0 9.33058 1 0 25.3028 0.00529 27 0 11.1863 1 0	24.7273 25.3028
min148	22.2436 0.00731 26	22.2436 124.381 26 1 0	32.5658 0.0041 38 0 106.548 0 52.8398	26.8959 0.00287 27 0 21.6439 0 2.55744	26.0236 0.00573 30 0 14.2884 0 0.52838	25.2967 0.00412 27 0 9.32142 1 0	25.2967
min14 min150	2.27907 0.41711 3 22.5291 0.00564 27	2.27907 0.08332 3 1 0 22.5291 139.495 27 1 0	3.4186 0 4 0 1.29853 0 0.66251 33.1395 0.00234 39 0 112.581 0 57.1249	2.76744 0 3 0 0.23851 0 0.0265 27.7616 0.00274 28 0 27.3791 0 4.75327	2.60465 0.00213 3 0 0.106 1 0 26.5988 0.65982 31 0 16.5625 0 1.0351	2.93023 0.0022 3 0 0.42401 0 0.106 25.5814 0.00451 27 0 9.31654 1 0	2.60465 25.5814
min150 min152	22.8145 0.00426 27	22.5291 139.495 27 1 0 22.8145 160.801 27 1 0	33.1395 0.00234 39 0 112.581 0 57.1249 33.1319 0.00234 39 0 106.449 0 48.652	27.7553 0.00274 28 0 27.3791 0 4.75327 27.7553 0.00297 28 0 24.4115 0 2.5552	26.5988 0.65982 31 0 16.5625 0 1.0351 26.5927 0.00574 31 0 14.2748 0 0.19001	25.5814 0.00451 27 0 9.31654 1 0 26.1568 0.00451 28 0 11.171 1 0	25.5814
min154	23.1 0.00725 27	23.3906 167.32 27 0 0.08445	28.3302 0.00344 29 0 27.355 0 4.74935	28.6208 0.00323 29 0 30.4792 0 6.10041	26.1509 0.00486 28 0 9.30799 1 0	26.1509 0.00456 28 0 9.30799 1 0	26.1509
min156 min158	23.3855 0.00406 28 23.671 0.00675 28	23.676 138.634 28 0 0.08439 23.9614 178.565 28 0 0.08433	34.2793 0.00363 40 0 118.675 0 61.5205 34.8529 0.00311 41 0 125.035 0 61.4954	28.905 0.00385 29 0 30.4649 0 6.09695 28.6084 0.00333 29 0 24.3779 0 2.55169	27.4525 0.13926 32 0 16.5405 0 1.03368 27.4467 0.00651 32 0 14.2559 0 0.18983	26.4358 0.00574 28 0 9.30433 1 0 27.011 0.00394 29 0 11.1556 1 0	26.4358 27.011
min160	23.9564 0.00442 28	23.9564 153.52 28 1 0	34.7005 0.00394 41 0 115.436 0 59.2146	28.8929 0.00216 29 0 24.369 0 3.56266	27.441 0.00274 32 0 12.1424 0 0.18975	27.0054 0.00472 29 0 9.2964 1 0	27.0054
min162	24.2419 0.00422 29	24.5323 170.769 29 0 0.08433	35.5645 0.00531 42 0 128.201 0 63.7427	29.7581 0.00228 30 0 30.4285 0 4.74151	28.5968 0.0054 33 0 18.9652 0 1.03266	27.5806 0.00338 29 0 11.1469 1 0	27.5806
min164 min166	24.5274 0.0046 29 24.8129 0.00781 29	24.8177 173.503 29 0 0.08427 24.8129 183.919 29 1 0	35.8478 0.00471 42 0 128.151 0 59.1669 35.6958 0.00201 41 0 118.438 0 56.9331	30.9133 0.00481 31 0 40.7797 0 7.60381 30.6171 0.00444 31 0 33.6887 0 6.08461	28.8814 0.00564 34 0 18.9573 0 0.5265 29.021 0.17572 33 0 17.7081 0 0.75794	28.1558 0.00352 30 0 13.1653 1 0 28.1504 0.00344 30 0 11.1389 1 0	28.1558 28.1504
min168	25.0984 0.00313 30	25.3886 185.076 30 0 0.08422	36.5596 0.00285 43 0 131.359 0 66.0059	30.9016 0.00172 31 0 33.6771 0 6.08313	29.4508 0.00511 34 0 18.9434 0 1.03144	28.4352 0.00549 30 0 11.1342 1 0	28.4352
min16 min170	2.56 0.00108 3 25.384 0.00701 30	2.56 0.15896 3 1 0 25.6741 185.429 30 0 0.08416	3.36 0 4 0 0.64 0 0.64 37.2782 0.00581 44 0 141.472 0 68.3598	3.04 0 3 0 0.2304 0 0.2304 30.6058 0.00421 31 0 27.2672 0 2.54594	2.56 0.00237 3 1 0 1 0 30.0256 0.00378 35 0 21.5445 0 1.03104	3.52 0.00265 4 0 0.9216 0 0.9216 29.0102 0.00388 31 0 13.1493 1 0	2.56 29.0102
min172	25.6695 0.00483 30	26.6847 184.17 31 0 1.03063	37.7066 0.00606 44 0 144.892 0 75.7161	30.8904 0.0026 31 0 27.2578 0 3.55436	29.8752 0.00544 34 0 17.6879 0 0.75707	29.0051 0.004 31 0 11.1262 1 0	29.0051
min174	25.955 0.00474 31	26.245 180.116 31 0 0.0841	37.7 0.00561 44 0 137.945 0 70.7281	31.755 0.00476 32 0 33.64 0 6.07623	30.015 0.00594 35 0 16.4836 0 0.52563	29.29 0.00439 31 0 11.1222 1 0	29.29
min176 min178	26.2405 0.00833 31 26.5261 0.00511 31	26.5305 188.966 31 0 0.0841 27.1059 195.517 32 0 0.33617	38.2735 0.00314 45 0 144.793 0 70.7046 39.1368 0.0065 46 0 159.03 0 86.0609	32.9094 0.00288 33 0 44.4742 0 9.26898 32.614 0.00296 33 0 37.0625 0 7.58507	30.8797 0.00725 36 0 21.5222 0 1.02982 30.8746 0.00474 36 0 18.9095 0 1.02962	29.8649 0.00312 32 0 13.1363 1 0 29.8599 0.00408 32 0 11.1142 1 0	29.8649 29.8599
min180	26.8116 0.00528 32	27.1014 188.864 32 0 0.08398	39.4203 0.00383 46 0 158.979 0 86.033	32.8986 0.00317 33 0 37.0516 0 7.58286	31.1594 0.00491 36 0 18.9034 0 1.02921	30.1449 0.00609 32 0 11.1109 1 0	30.1449
min182 min184	27.0971 0.006 32 27.3827 0.00822 32	27.0971 195.434 32 1 0 27.6724 196.162 32 0 0.08393	39.9936 0.00398 47 0 166.32 0 80.7123 39.9874 0.00404 47 0 158.878 0 80.6889	32.6035 0.00318 33 0 30.3204 0 2.54052 32.8882 0.00201 33 0 30.3105 0 3.54757	32.0239 0.0045 37 0 24.2734 0 1.0288 32.5984 0.00429 38 0 27.2035 0 2.53988	31.0096 0.00419 33 0 15.3077 1 0 31.0047 0.0041 33 0 13.1189 1 0	31.0096 31.0047
min184 min186	27.6682 0.00556 33	27.6724 196.162 32 0 0.08393 27.9579 219.534 33 0 0.08393	40.7056 0.00251 48 0 169.974 0 88.6592	32.8882 0.00201 33 0 30.3105 0 3.54757 33.7523 0.00297 34 0 37.0163 0 6.0644	32.5984 0.00429 38 0 27.2035 0 2.53988 32.5935 0.00446 38 0 24.2586 0 1.69989	31.2897 0.00394 33 0 13.1153 1 0	31.0047
min188	27.9538 0.00617 33	28.2435 209.259 33 0 0.08393	41.1341 0.00345 48 0 173.72 0 85.9273	34.906 0.00352 35 0 48.3331 0 9.25133	32.8783 0.00588 38 0 24.2507 0 1.02799	31.8644 0.00528 34 0 15.2928 1 0	31.8644
min18 min190	2.84211 0.46375 3 28.2393 0.0093 33	2.84211 0.11943 3 1 0 28.529 220.442 33 0 0.08393	3.47368 0.00014 4 0 0.39888 1 0 41.5625 0.00355 49 0 177.508 0 94.1424	3.94737 0 4 0 1.2216 0 0.22438 34.6113 0.00315 35 0 40.6024 0 7.57075	3.47368 0.77893 4 0 0.39888 1 0 33.4527 0.00503 39 0 27.1795 0 2.53733	3.47368 0.00175 4 0 0.39888 1 0 31.8598 0.00399 34 0 13.108 1 0	3.47368 31.8598
min192	28.5249 0.00387 34	28.8145 265.021 34 0 0.08387	41.7014 0.00373 49 0 173.62 0 91.3286	34.8959 0.00416 35 0 40.5896 0 7.56855	33.448 0.00713 39 0 24.2369 0 1.69833	32.1448 0.00401 34 0 13.1037 1 0	32.1448
min194 min196	28.8104 0.00551 34 29.096 0.00654 34	29.2448 245.929 34 0 0.1887 29.3855 247.811 34 0 0.08381	42.5642 0.00389 50 0 189.167 0 96.9201 42.7031 0.00455 50 0 185.153 0 99.7641	34.6015 0.00593 35 0 33.5368 0 3.5423 34.8863 0.00512 35 0 33.5276 0 4.71498	33.7328 0.00444 39 0 24.23 0 1.02698 34.3072 0.00454 40 0 27.1566 0 2.53542	32.7194 0.00408 35 0 15.2803 1 0	32.7194
min196 min198	29.3816 0.00838 35	30.25 273.677 35 0 0.75412	42.7031 0.00455 50 0 185.153 0 99.7641 43.421 0.00565 51 0 197.105 0 108.597	35.75 0.00342 36 0 40.5565 0 7.5625	34.3072 0.00454 40 0 27.1566 0 2.53542 34.3026 0.00754 40 0 24.2162 0 1.69677	32.7149 0.00568 35 0 13.0964 1 0 33 0.00432 35 0 13.0928 1 0	32.7149 33
min200	30.3118 0.00587 36	30.3118 325.156 36 1 0	44.235 0.00759 52 0 193.855 0 100.146	36.6933 0.00362 37 0 40.7235 0 6.07918	35.388 0.00494 41 0 25.7678 0 1.3463	34.2277 0.00592 37 0 15.3343 1 0	34.2277
min20 min22	3.73984 0.45767 5 4.20588 0.10913 5	3.73984 0.11721 5 1 0 4.20588 0.30767 5 1 0	5.04065 0 6 0 1.69211 0 0.95181 5.82353 0.00014 7 0 2.61679 0 0.65419	4.87805 0 5 0 1.29552 0 0.66099 5.66177 0.00011 6 0 2.11962 0 0.41869	4.06504 0.00275 5 0 0.10576 1 0 5.01471 0.00187 5 0 0.65421 1 0	4.55285 0.00181 5 0 0.66099 0 0.23796 5.82353 0.00244 6 0 2.61679 0 0.65419	4.06504 5.01471
min24	4.64 0.44421 6	4.64 0.24623 6 1 0	5.6 0.0002 7 0 0.9216 0 0.0256	7.2 0.00013 7 0 6.5536 0 3.0976	5.44 0.18633 6 0 0.64 1 0	5.76 0.00284 6 0 1.2544 0 0.1024	5.44
min26 min28	4.91463 0.05308 6 5.19101 0.73556 6	4.91463 0.21908 6 1 0 5.19101 0.2934 6 1 0	6.65854 0.0002 8 0 3.04122 0 0.90482 6.92135 0.00013 8 0 2.99408 0 0.8908	6.81707 0.00026 7 0 3.61928 0 1.23155 7.07865 0.00015 7 0 3.56318 0 1.21247	5.70732 0.28541 6 0 0.62836 1 0 5.97753 0.00119 6 0 0.61861 1 0	6.65854 0.00268 7 0 3.04122 0 0.90482 6.60674 0.00159 7 0 2.00429 0 0.39591	5.70732 5.97753
min28 min30	5.46875 0.14492 7	5.19101 0.2934 6 1 0	7.5 0.00018 9 0 4.12598 0 1.5625	7.07865 0.00015 7 0 3.56318 0 1.21247 7.96875 0.00011 8 0 6.25 0 2.9541	6.25 0.00291 7 0 0.61035 1 0	6.875 0.00153 7 0 1.97754 0 0.39591	6.25
min32	5.74757 0.00197 7	5.74757 0.49362 7 1 0	7.45631 0.00018 9 0 2.91979 0 0.8687	9.16505 0.0002 9 0 11.6792 0 6.97372	6.52427 0.00176 7 0 0.60326 1 0	7.45631 0.00194 8 0 2.91979 0 0.8687	6.52427
min34 min36	6.02727 0.42788 7 6.30769 0.40252 8	6.02727 2.62403 7 1 0 6.30769 6.03033 8 1 0	7.41818 0.00018 8 0 1.93463 0 0.59711 8.61539 0.0002 10 0 5.32548 0 2.36689	8.80909 0.00022 9 0 7.73852 0 4.68134 9.07692 0.0002 9 0 7.66863 0 4	6.64545 0.00254 7 0 0.38215 1 0 7.07692 0.22212 8 0 0.59171 1 0	7.41818 0.00163 8 0 1.93463 0 0.59711 7.69231 0.00258 8 0 1.91717 0 0.3787	6.64545 7.07692
min38	6.58871 0.00161 8	6.58871 7.34612 8 1 0	8.58064 0.00042 10 0 3.96779 0 1.50259	8.73387 0.00043 9 0 4.60171 0 1.90172	7.35484 0.00325 8 0 0.58696 1 0	8.27419 0.00311 9 0 2.84084 0 0.8452	7.35484
min40	6.87023 0.39798 8	6.87023 15.4854 8 1 0 7.15217 19.0693 9 1 0	8.24427 0.00041 9 0 1.88799 0 0.5827 9.73913 0.00025 11 0 6.69236 0 3.3346	9.00763 0.00043 9 0 4.56848 0 2.33084 9.89131 0.00025 10 0 7.50289 0 3.91355	7.48092 0.15272 8 0 0.37294 1 0 7.91304 0.00161 9 0 0.57892 1 0	8.24428 0.00278 9 0 1.88801 0 0.58272 8.82609 0.00123 9 0 2.80201 0 0.83366	7.48092 7.91304
min42 min44	7.15217 0.1643 9 7.43448 0.63781 9	7.15217 19.0693 9 1 0 7.43448 30.3526 9 1 0	9.73913 0.00025 11 0 6.69236 0 3.3346 10.1655 0.00025 11 0 7.45847 0 0.57547	9.89131 0.00025 10 0 7.50289 0 3.91355 11.0759 0.00054 11 0 13.2599 0 2.78556	7.91304 0.00161 9 0 0.57892 1 0 9.4069 0.00314 10 0 3.89044 1 0	8.82609 0.00123 9 0 2.80201 0 0.83366 9.4069 0.00317 10 0 3.89044 1 0	7.91304 9.4069
min46	7.71711 0.74826 9	7.71711 33.0099 9 1 0	10.8947 0.0006 13 0 10.0971 0 3.86936	10.7434 0.00029 11 0 9.15843 0 3.29702	8.92763 0.00201 10 0 1.46536 1 0	9.38158 0.00282 10 0 2.77046 0 0.20607	8.92763
min48 min50	8 0.36089 10 8.28313 0.32694 10	8 32.1425 10 1 0 8.28313 34.3589 10 1 0	10.8679 0.00063 13 0 8.22485 0 2.75676 11.5964 0.00035 14 0 10.9778 0 4.44556	11.0189 0.0003 11 0 9.11376 0 3.28099 10.6928 0.0003 11 0 5.80651 0 1.45166	9.20755 0.00281 11 0 1.45818 1 0 9.48795 0.1525 11 0 1.45159 1 0	9.66038 0.00248 10 0 2.75686 0 0.20506 10.241 0.00327 11 0 3.83325 0 0.56708	9.20755 9.48795
min52	8.56647 0.00275 10	8.56647 33.651 10 1 0	12.0231 0.00036 14 0 11.9483 0 5.08191	10.9711 0.00031 11 0 5.78225 0 1.44555	9.76879 0.00324 11 0 1.44557 1 0	10.2197 0.00254 11 0 2.73317 0 0.20332	9.76879
min54 min56	8.85 0.66441 11 9.13369 0.70033 11	8.85 31.6862 11 1 0	12.6 0.00039 15 0 14.0625 0 6.5025 12.4278 0.0008 15 0 10.8512 0 4.39447	11.85 0.0007 12 0 9 0 3.24 11.8289 0.00039 12 0 7.26416 0 2.24221	10.05 0.22225 12 0 1.44 1 0 10.3315 0.00352 12 0 1.43475 1 0	10.5 0.00341 11 0 2.7225 0 0.2025 11.0802 0.0031 12 0 3.7889 0 0.56055	10.05 10.3315
min56 min58	9.13369 0.70033 11 9.41753 0.44266 11	9.13369 37.5736 11 1 0 9.41753 39.9657 11 1 0	12.4278 0.0008 15 0 10.8512 0 4.39447 13.3041 0.00044 16 0 15.1054 0 7.23987	11.8289 0.00039 12 0 7.26416 0 2.24221 12.7062 0.00079 13 0 10.8154 0 4.37981	10.3315 0.00352 12 0 1.43475 1 0 10.6134 0.00357 12 0 1.43011 1 0	11.0802 0.0031 12 0 3.7889 0 0.56055 11.0619 0.00318 12 0 2.70395 0 0.20115	10.3315
min60	9.70149 0.26265 12	9.70149 39.8433 12 1 0	13.5821 0.00043 16 0 15.0591 0 7.21782	12.9851 0.00029 13 0 10.7821 0 4.36643	10.8955 0.00192 13 0 1.42566 1 0	11.3433 0.00349 12 0 2.69554 0 0.20052	10.8955
min62 min64	9.98558 0.41954 12 10.2698 0.39735 12	9.98558 43.0468 12 1 0 10.2698 48.9099 12 1 0	14.3077 0.00039 17 0 18.6807 0 4.99791 14.2884 0.00049 17 0 16.1491 0 4.9845	12.6683 0.00069 13 0 7.19699 0 0.35545 12.9488 0.00045 13 0 7.17704 0 0.79745	12.0721 0.27626 14 0 4.35357 1 0 12.0558 0.16442 14 0 3.1898 1 0	12.2212 0.00251 13 0 4.998 0 0.02223 12.2047 0.0034 13 0 3.74384 0 0.02217	12.0721
min66	10.5541 0.00152 13	10.5541 47.3466 13 1 0	15.1622 0.00105 18 0 21.2346 0 7.97724	13.8243 0.00049 14 0 10.6942 0 2.20968	12.3378 0.00291 14 0 3.18159 1 0	12.4865 0.00361 13 0 3.73417 0 0.02217	12.3378
min68	10.8384 0.35026 13	10.8384 47.5297 13 1 0	14.8472 0.00092 17 0 16.0705 0 7.95804	14.9956 0.00052 15 0 17.2823 0 8.81734	12.0262 0.00206 14 0 1.41087 1 0	13.0655 0.00193 14 0 4.95997 0 1.08014	12.0262
min70 min72	11.1229 0.4965 13 11.4074 0.40324 14	11.1229 46.0715 13 1 0 11.4074 51.3476 14 1 0	15.4237 0.00104 18 0 18.4969 0 7.94 16 0.00102 19 0 21.092 0 7.9231	14.6822 0.00053 15 0 12.6686 0 4.31102 14.963 0.00093 15 0 12.6423 0 3.16057	12.6059 0.66389 15 0 2.19929 1 0 13.1852 0.00289 15 0 3.16057 1 0	13.0508 0.00333 14 0 3.7168 0 0.19794 13.3333 0.00233 14 0 3.70909 0 0.02193	12.6059 13.1852
min74	11.692 0.39866 14	11.692 54.1961 14 1 0	16.872 0.00127 20 0 26.8324 0 9.65966	14.652 0.00109 15 0 8.7616 0 0.78854	13.764 0.00342 16 0 4.29318 1 0	13.912 0.0019 15 0 4.9284 0 0.0219	13.764
min76	11.9767 0.3639 14	11.9767 59.0093 14 1 0	17.1517 0.00121 20 0 26.7806 0 11.5648	14.9339 0.00079 15 0 8.74503 0 1.39925	13.751 0.00393 16 0 3.14814 1 0	13.8988 0.00353 15 0 3.69447 0 0.02184	13.751
min78 min80	12.2614 0.00343 15 12.5461 0.66323 15	12.2614 52.6434 15 1 0 12.5461 54.4959 15 1 0	17.7273 0.0007 21 0 29.8761 0 13.6397 17.7122 0.00094 21 0 26.6886 0 15.8826	15.8068 0.00062 16 0 12.5699 0 3.14247 16.9742 0.00067 17 0 19.6081 0 10.545	14.0341 0.13566 16 0 3.14247 1 0 13.7269 0.00398 16 0 1.39429 1 0	14.1818 0.00353 15 0 3.68794 0 0.02182 14.7601 0.00346 16 0 4.9018 0 1.0675	14.0341 13.7269
min82	12.8309 0.13908 15	12.8309 56.3242 15 1 0	18.2878 0.00086 21 0 29.7778 0 10.5274	16.6655 0.00077 17 0 14.7042 0 2.63186	15.0432 0.00533 17 0 4.89427 1 0	15.0432 0.00394 16 0 4.89427 1 0	15.0432
min84 min86	13.1158 0.00222 16 13.4007 0.14075 16	13.1158 58.8863 16 1 0 13.4007 75.0053 16 1 0	18.8632 0.00144 22 0 33.0326 0 12.5097 19.2911 0.00161 23 0 34.6968 0 17.0016	16.9474 0.00069 17 0 14.6812 0 2.62797 16.6404 0.0014 17 0 10.4957 0 2.16855	15.3263 0.76278 17 0 4.88631 1 0 15.1678 0.00408 18 0 3.12264 1 0	15.3263 0.00293 16 0 4.88631 1 0 15.9041 0.00389 17 0 6.26701 0 0.54214	15.3263 15.1678
min88	13.6856 0.28906 16	13.6856 71.1077 16 1 0	19.4247 0.00155 23 0 32.9373 0 15.7863	16.9231 0.00071 17 0 10.4814 0 2.16561	15.4515 0.00256 18 0 3.1184 1 0	15.893 0.0041 17 0 4.87261 0 0.19492	15.4515
min8	1.45455 0.28319 2	1.45455 0.08443 2 1 0	2 0 2 0 0.29752 1 0	2.18182 0 2 0 0.52892 0 0.03306	2 0.28587 2 0 0.29752 1 0	2 0.0017 2 0 0.29752 1 0	2
min90 min92	13.9706 0.00422 17 14.2556 0.13938 17	13.9706 71.3288 17 1 0 14.2556 65.8546 17 1 0	20.2941 0.00153 24 0 39.9867 0 16.9546 17.7827 0.00073 19 0 12.4404 0 1.05822	17.7941 0.00155 18 0 14.6192 0 2.61663 18.9585 0.00167 19 0 22.1173 0 4.85982	16.3235 0.16278 19 0 5.53614 0 0.02161 16.754 0.24434 18 0 6.242 1 0	16.1765 0.00387 17 0 4.86599 1 0 16.754 0.00361 18 0 6.242 1 0	16.1765 16.754
min94	14.5406 0.00351 17	14.5406 70.4639 17 1 0	20.8563 0.00187 24 0 39.8881 0 16.9135	18.6531 0.00087 19 0 16.9127 0 3.64581	16.7437 0.00398 19 0 4.85365 1 0	16.7438 0.00403 18 0 4.85409 0 1E-08	16.7437
min96 min98	14.8257 0.05307 18 15.1108 0.00272 18	14.8257 84.4095 18 1 0 15.1108 76.373 18 1 0	21.1376 0.00097 25 0 39.8401 0 18.1212 22.1527 0.00106 26 0 49.5884 0 24.8801	18.9358 0.00171 19 0 16.8929 0 4.22344 18.6317 0.00164 19 0 12.3967 0 2.15209	16.8807 0.00432 20 0 4.22303 1 0 17.1647 0.00871 20 0 4.21851 1 0	17.0275 0.00229 18 0 4.84792 0 0.02155 17.6048 0.0041 19 0 6.22004 0 0.19369	16.8807
min98	19.1108 0.002/2 18	13.1106 /0.5/5 18 1 0	22.1327 0.00106 26 0 49.3884 0 24.8801	16.0517 U.00104 19 U 12.3967 U 2.15209	17.1047 0.00871 20 0 4.21851 1 0	17.0040 0.0041 19 0 6.22004 0 0.19369	17.1647

instance	CPLEX obj t[s] #guards	CP obj t[s] #guards #hitsOpt sdOpt	GREEDY-1 obj t[s] #guards #hitsOpt sdOpt #hitsMinH sdMinH	GREEDY-2 obi t[s] #euards #hitsOot sdOot #hitsMinH	GREEDY-1+CPLEX sdMinH obi t/s1 #euards #hitsOpt sdOpt #hitsMinH sd	GREEDY-2+CPLEX MinH obj t[s] #guards #hitsOpt sdOpt #hitsMinH sdMinH	minH
min100	obj t[s] #guards 34.5 0.004912 18	34.5 18.6605 18 1 0	obj t[s] #guards #hitsOpt sdOpt #hitsMinH sdMinH 39 0.000836 20 0 20.25 0 9	39 0.001623 20 0 20.25 0	9 37 0.006792 19 0 6.25 0	1 36 0.00257 19 0 2.25 1 0	36
min102 min104	36 0.002088 19 36 0.005001 19	36 24.8302 19 1 0	39 0.000844 20 0 9 0 6.25 39 0.001464 20 0 9 0 1	41 0.001015 21 0 25 0 41 0.001038 21 0 25 0		0.25 36.5 0.002468 19 0 0.25 1 0 1 38 0.002233 20 0 4 1 0	36.5
min104 min106	36 0.005001 19 36.5 0.005057 19	36 22.5823 19 1 0 36.5 19.4088 19 1 0	39 0.001464 20 0 9 0 1 39 0.001704 20 0 6.25 0 1	41 0.001038 21 0 25 0 43 0.001704 22 0 42.25 0		1 38 0.002233 20 0 4 1 0 1 38 0.004616 20 0 2.25 1 0	38
min108	38 0.003862 20	38 19.1142 20 1 0	41 0.001864 21 0 9 0 6.25	43 0.00115 22 0 25 0	0 20.25 39 0.003965 20 0 1 0	0.25 38.5 0.004006 20 0 0.25 1 0	38.5
min10 min110	2.5 0.001645 2 38 0.003824 20	2.5 0.025546 2 1 0 38 26.3125 20 1 0	2.5 0 2 1 0 1 0 43 0.001849 22 0 25 0 9	5 0 3 0 6.25 0 43 0.00121 22 0 25 0	0 6.25 2.5 0.002739 2 1 0 1 0 9 41 0.007962 21 0 9 0	0 4 0.001208 3 0 2.25 0 2.25 1 40 0.002915 21 0 4 1 0	2.5 40
min112	38.5 0.004373 20	38.5 17.056S 20 1 0	43 0.00205 22 0 20.25 0 9	43 0.002316 22 0 20.25 0	9 41 0.006849 21 0 6.25 0	1 40 0.004467 21 0 2.25 1 0	40
min114	40 0.00311 21	40 25.782 21 1 0	43 0.001034 22 0 9 0 6.25	45 0.001263 23 0 25 0	20.25 41 0.00525 21 0 1 0	0.25 40.5 0.004008 21 0 0.25 1 0	40.5
min116 min118	40 0.003085 21 40.5 0.004828 21	40 23.4682 21 1 0 40.5 20.7536 21 1 0	43 0.001034 22 0 9 0 1 43 0.001115 22 0 6.25 0 1	45 0.001295 23 0 25 0 47 0.002522 24 0 42.25 0	0 9 43 0.006509 22 0 9 0 0 25 43 0.007409 22 0 6.25 0	1 42 0.004208 22 0 4 1 0 1 42 0.00267 22 0 2.25 1 0	42 42
min120	42 0.003476 22	42 22.7189 22 1 0	45 0.001137 23 0 9 0 6.25	47 0.001521 24 0 25 0	0 20.25 43 0.006272 22 0 1 0	0.25 42.5 0.004488 22 0 0.25 1 0	42.5
min122 min124	42 0.004217 22 42.5 0.004175 22	42 29.796 22 1 0 42.5 23.0746 22 1 0	47 0.001193 24 0 25 0 9 47 0.002417 24 0 20.25 0 9	47 0.002786 24 0 25 0 47 0.002124 24 0 20.25 0	9 45 0.005267 23 0 9 0 9 45 0.005271 23 0 6.25 0	1 44 0.004359 23 0 4 1 0 1 44 0.004866 23 0 2.25 1 0	44 44
min126	44 0.004917 23	44 18.8016 23 1 0	47 0.002417 24 0 20.23 0 9	49 0.00151 25 0 25 0	0 20.25 45 0.005832 23 0 1 0	0.25 44.5 0.003203 23 0 0.25 1 0	44.5
min128	44 0.00344 23 3 0.001384 2	44 21.0231 23 1 0	47 0.001219 24 0 9 0 1	49 0.00214 25 0 25 0		1 46 0.002744 24 0 4 1 0 0 4 0.00207 3 0 1 0 1	46
min12 min130	44.5 0.001384 2	3 0.02527 2 1 0 44.5 20.1244 23 1 0	47 0.000932 24 0 6.25 0 1	51 0.002303 26 0 42.25 0	0 4 3 0.001504 2 1 0 1 0 25 47 0.005916 24 0 6.25 0	1 46 0.005184 24 0 2.25 1 0	46
min132	46 0.003671 24	46 25.7015 24 1 0	49 0.001341 25 0 9 0 6.25	51 0.002644 26 0 25 0		0.25 46.5 0.003177 24 0 0.25 1 0	46.5
min134 min136	46 0.003681 24 46.5 0.003102 24	46 22.8441 24 1 0 46.5 17.7608 24 1 0	51 0.002237 26 0 25 0 9 51 0.001427 26 0 20.25 0 9	51 0.002665 26 0 25 0 51 0.002639 26 0 20.25 0	9 49 0.005036 25 0 9 0 9 49 0.006738 25 0 6.25 0	1 48 0.003669 25 0 4 1 0 1 48 0.003982 25 0 2.25 1 0	48 48
min138	48 0.0043 25	48 21.3009 25 1 0	51 0.002934 26 0 9 0 6.25	53 0.001309 27 0 25 0	20.25 49 0.008244 25 0 1 0	0.25 48.5 0.002959 25 0 0.25 1 0	48.5
min140 min142	48 0.003118 25 48.5 0.004093 25	48 19.2874 25 1 0 48.5 22.9377 25 1 0	51 0.001938 26 0 9 0 1 51 0.002311 26 0 6.25 0 1	53 0.002829 27 0 25 0 55 0.003172 28 0 42.25 0	9 51 0.012607 26 0 9 0 0 25 51 0.007049 26 0 6.25 0	1 50 0.002417 26 0 4 1 0 1 50 0.002993 26 0 2.25 1 0	50 50
min144	50 0.003409 26	50 26.4988 26 1 0	53 0.003092 27 0 9 0 6.25	55 0.001434 28 0 25 0		0.25 50.5 0.003728 26 0 0.25 1 0	50.5
min146	50 0.004424 26	50 27.5224 26 1 0	55 0.001639 28 0 25 0 9	55 0.003329 28 0 25 0	9 53 0.008845 27 0 9 0	1 52 0.003513 27 0 4 1 0	52 52
min148 min14	50.5 0.003837 26 4 0.001611 3	50.5 28.2547 26 1 0 4 0.024602 3 1 0	55 0.003276 28 0 20.25 0 9 5 0 3 0 1 0 0.25	55 0.003918 28 0 20.25 0 5 0 3 0 1 0	9 53 0.007677 27 0 6.25 0 0 0.25 4.5 0.002262 3 0 0.25 1	1 52 0.004991 27 0 2.25 1 0 0 4.5 0.002267 3 0 0.25 1 0	4.5
min150	52 0.002985 27	52 30.2488 27 1 0	55 0.001655 28 0 9 0 6.25	57 0.004094 29 0 25 0	20.25 53 0.00846 27 0 1 0	0.25 52.5 0.003739 27 0 0.25 1 0	52.5
min152 min154	52 0.003916 27 52.5 0.005412 27	52 37.8628 27 1 0 52.5 21.8884 27 1 0	55 0.001674 28 0 9 0 1 55 0.001665 28 0 6.25 0 1	57 0.002941 29 0 25 0 59 0.004424 30 0 42.25 0	9 55 0.011604 28 0 9 0 0 25 55 0.010153 28 0 6.25 0	1 54 0.003625 28 0 4 1 0 1 54 0.004711 28 0 2.25 1 0	54 54
min156	54 0.004944 28	54 20.2514 28 1 0	57 0.001514 29 0 9 0 6.25	59 0.002248 30 0 25 0	0 20.25 55 0.016961 28 0 1 0	0.25 54.5 0.003476 28 0 0.25 1 0	54.5
min158 min160	54 0.003576 28 54.5 0.003934 28	54 17.9449 28 1 0 54.5 24.4193 28 1 0	59 0.003701 30 0 25 0 9 59 0.003753 30 0 20,25 0 9	59 0.003389 30 0 25 0 59 0.00258 30 0 20.25 0	9 57 0.009295 29 0 9 0 9 57 0.012122 29 0 6.25 0	1 56 0.005781 29 0 4 1 0 1 56 0.003844 29 0 2.25 1 0	56 56
min160 min162	54.5 0.003934 28 56 0.006762 29	54.5 24.4193 28 1 0 56 32.2053 29 1 0	59 0.003/53 30 0 20.25 0 9 59 0.0038 30 0 9 0 6.25	59 0.00258 30 0 20.25 0 61 0.001705 31 0 25 0		1 56 0.003844 29 0 2.25 1 0 0.25 56.5 0.00525 29 0 0.25 1 0	56.5
min164	56 0.004881 29	56 25.1111 29 1 0	59 0.001918 30 0 9 0 1	61 0.002322 31 0 25 0	9 59 0.018559 30 0 9 0	1 58 0.00416 30 0 4 1 0	58
min166 min168	56.5 0.007022 29 58 0.002996 30	56.5 21.394 29 1 0 58 25.2395 30 1 0	59 0.003137 30 0 6.25 0 1 61 0.003504 31 0 9 0 6.25	63 0.002447 32 0 42.25 0 63 0.002592 32 0 25 0	0 25 59 0.009848 30 0 6.25 0 0 20.25 59 0.008476 30 0 1 0	1 58 0.003434 30 0 2.25 1 0 0.25 58.5 0.003951 30 0 0.25 1 0	58 58.5
min16	4.5 0.001553 3	4.5 0.058726 3 1 0	5 0 3 0 0.25 0 0.25	5 0 3 0 0.25 0	0.25 4.5 0.002662 3 1 0 1	0 6 0.002604 4 0 2.25 0 2.25	4.5
min170	58 0.005215 30 58.5 0.006621 30	58 25.82 30 1 0 58.5 21.6782 30 1 0	63 0.004317 32 0 25 0 9 63 0.004312 32 0 20.25 0 9	63 0.003822 32 0 25 0 63 0.002662 32 0 20.25 0	9 61 0.007149 31 0 9 0 9 61 0.009121 31 0 6.25 0	1 60 0.004475 31 0 4 1 0 1 60 0.002932 31 0 2.25 1 0	60 60
min172 min174	60 0.005493 31	60 22.1466 31 1 0	63 0.002848 32 0 9 0 6.25	65 0.002764 33 0 25 0	0 20.25 61 0.009392 31 0 1 0	0.25 60.5 0.003648 31 0 0.25 1 0	60.5
min176	60 0.005205 31	60 30.238 31 1 0	63 0.002229 32 0 9 0 1	65 0.003921 33 0 25 0	9 63 0.006302 32 0 9 0	1 62 0.004331 32 0 4 1 0 1 62 0.004979 32 0 225 1 0	62 62
min178 min180	60.5 0.004744 31 62 0.004254 32	60.5 43.0639 31 1 0 62 30.3854 32 1 0	63 0.002232 32 0 6.25 0 1 65 0.002697 33 0 9 0 6.25	67 0.004682 34 0 42.25 0 67 0.002931 34 0 25 0	0 25 63 0.006435 32 0 6.25 0 0 20.25 63 0.012175 32 0 1 0	1 62 0.004979 32 0 2.25 1 0 0.25 62.5 0.003835 32 0 0.25 1 0	62.5
min182	62 0.004383 32	62 41.9408 32 1 0	67 0.002844 34 0 25 0 9	67 0.003863 34 0 25 0	9 65 0.011614 33 0 9 0	1 64 0.004554 33 0 4 1 0	64
min184 min186	62.5 0.006193 32 64 0.007553 33	62.5 39.0329 32 1 0 64 17.2447 33 1 0	67 0.002368 34 0 20.25 0 9 67 0.00289 34 0 9 0 6.25	67 0.003289 34 0 20.25 0 69 0.00512 35 0 25 0	9 65 0.010737 33 0 6.25 0 0 20.25 65 0.020283 33 0 1 0	1 64 0.004459 33 0 2.25 1 0 0.25 64.5 0.005191 33 0 0.25 1 0	64 64.5
min188	64 0.00543 33	64 21.8653 33 1 0	67 0.001848 34 0 9 0 1	69 0.003961 35 0 25 0	9 67 0.013054 34 0 9 0	1 66 0.003892 34 0 4 1 0	66
min18 min190	5 0.00177 3 64.5 0.005951 33	5 0.064605 3 1 0 64.5 19.3961 33 1 0	5 0 3 1 0 1 0 67 0.00367 34 0 6.25 0 1	7 0 4 0 4 0 71 0.005693 36 0 42.25 0	0 4 5 0.00269 3 1 0 1 0 25 67 0.027204 34 0 6.25 0	0 6 0.002646 4 0 1 0 1 1 66 0.004715 34 0 2.25 1 0	5 66
min190	66 0.004305 34	66 21.5852 34 1 0	69 0.004822 35 0 9 0 6.25	71 0.005693 36 0 42.25 0 71 0.006186 36 0 25 0		0.25 66.5 0.005374 34 0 0.25 1 0	66.5
min194	66 0.007441 34	66 16.583 34 1 0	71 0.002721 36 0 25 0 9	71 0.0034 36 0 25 0	9 69 0.021268 35 0 9 0	1 68 0.004929 35 0 4 1 0	68
min196 min198	66.5 0.005776 34 68 0.004766 35	66.5 21.7487 34 1 0 68 19.3156 35 1 0	71 0.002776 36 0 20.25 0 9 71 0.003324 36 0 9 0 6.25	71 0.003892 36 0 20.25 0 73 0.004065 37 0 25 0	9 69 0.011351 35 0 6.25 0 0 20.25 69 0.009618 35 0 1 0	1 68 0.004453 35 0 2.25 1 0 0.25 68.5 0.005393 35 0 0.25 1 0	68 68.5
min200	69.5 0.005054 36	69.5 27.642 36 1 0	74.5 0.004602 38 0 25 0 9	75 0.007524 38 0 30.25 0	12.25 72 0.007698 37 0 6.25 0	0.25 71.5 0.004168 37 0 4 1 0	71.5
min20 min22	7.5 0.002472 5 8.5 0.002647 5	7.5 0.044308 5 1 0 8.5 0.063065 5 1 0	10.5 0 6 0 9 0 6.25 11 0.000207 6 0 6.25 0 6.25	9 0.000142 5 0 2.25 0 13 0.000117 7 0 20.25 0) 1 8 0.001846 5 0 0.25 1 0 20.25 9 0.001874 5 0 0.25 0	0 8 0.002797 5 0 0.25 1 0 0.25 8.5 0.002383 5 1 0 1 0	8 8.5
min24	10 0.001374 6	10 0.130275 6 1 0	11 0 6 0 1 0 1	15 0.00017 7 0 20.25 0 15 0.00014 8 0 25 0	0 25 11 0.002477 6 0 1 0	1 10 0.001832 6 1 0 1 0	10
min26 min28	10 0.001671 6 10.5 0.001709 6	10 0.120798 6 1 0	11 0.000221 6 0 1 1 0 13 0.000265 7 0 6.25 0 4	15 0.000148 8 0 25 0 15 0.000282 8 0 20.25 0	0 16 11 0.002876 6 0 1 1 0 16 11 0.002221 6 0 0.25 1	0 12 0.002426 7 0 4 0 1 0 12 0.001866 7 0 2.25 0 1	11 11
min28 min30	10.5 0.001/09 6	10.5 0.153365 6 1 0 12 0.24324 7 1 0	13 0.000265 7 0 6.25 0 4 15 0.000304 8 0 9 0 6.25	15 0.000282 8 0 20.25 0 17 0.000333 9 0 25 0		0 12 0.001866 / 0 2.25 0 1 0.25 12.5 0.002354 7 0 0.25 1 0	12.5
min32	12 0.002366 7	12 0.233272 7 1 0	15 0.000163 8 0 9 0 4	17 0.000209 9 0 25 0	0 16 13 0.001953 7 0 1 1	0 14 0.002743 8 0 4 0 1	13
min34 min36	12.5 0.003049 7 14 0.001651 8	12.5 2.85757 7 1 0 14 11.9951 8 1 0	15 0.000168 8 0 6.25 0 4 17 0.000374 9 0 9 0 6.25	19 0.000267 10 0 42.25 0 19 0.000447 10 0 25 0) 36 13 0.001654 7 0 0.25 1 1 20.25 15 0.002898 8 0 1 0	0 14 0.00256 8 0 2.25 0 1 0.25 14.5 0.001601 8 0 0.25 1 0	13 14.5
min38	14 0.001451 8	14 13.7158 8 1 0	19 0.000399 10 0 25 0 16	19 0.000231 10 0 25 0	16 15 0.002969 8 0 1 1	0 16 0.002681 9 0 4 0 1	15
min40 min42	14.5 0.00152 8 16 0.001561 9	14.5 14.3752 8 1 0 16 17.7428 9 1 0	19 0.000223 10 0 20.25 0 16 19 0.00023 10 0 9 0 6.25	19 0.000233 10 0 20.25 0 21 0.000266 11 0 25 0	0 16 15 0.001977 8 0 0.25 1 0 20.25 17 0.001286 9 0 1 0	0 16 0.002573 9 0 2.25 0 1 0.25 16.5 0.002117 9 0 0.25 1 0	15 16.5
min44	16 0.001513 9	16 15.6209 9 1 0	19 0.000244 10 0 9 0 4	21 0.000402 11 0 25 0	0 16 17 0.002007 9 0 1 1	0 18 0.002778 10 0 4 0 1	17
min46	16.5 0.003043 9	16.5 16.3634 9 1 0	19 0.000249 10 0 6.25 0 4	23 0.000313 12 0 42.25 0		0 18 0.002918 10 0 2.25 0 1	17
min48 min50	18 0.003265 10 18 0.001617 10	18 17.1874 10 1 0 18 17.5735 10 1 0	21 0.000275 11 0 9 0 6.25 23 0.000604 12 0 25 0 16	23 0.000404 12 0 25 0 23 0.000333 12 0 25 0	0 20.25 19 0.003228 10 0 1 0 0 16 19 0.002094 10 0 1 1	0.25 18.5 0.002491 10 0 0.25 1 0 0 20 0.002914 11 0 4 0 1	18.5 19
min52	18.5 0.003464 10	18.5 15.6991 10 1 0	23 0.000637 12 0 20.25 0 16	23 0.000669 12 0 20.25 0	16 19 0.002557 10 0 0.25 1	0 20 0.002747 11 0 2.25 0 1	19
min54 min56	20 0.003218 11 20 0.003164 11	20 12.2117 11 1 0 20 16.5886 11 1 0	23 0.000419 12 0 9 0 6.25 23 0.000526 12 0 9 0 4	25 0.000687 13 0 25 0 25 0.000394 13 0 25 0		0.25 20.5 0.002171 11 0 0.25 1 0 0 22 0.003049 12 0 4 0 1	20.5 21
min58	20.5 0.003164 11	20.5 15.9122 11 1 0	23 0.000688 12 0 6.25 0 4	27 0.00055 14 0 42.25 0	36 21 0.003246 11 0 0.25 1	0 22 0.00345 12 0 2.25 0 1	21
min60 min62	22 0.001945 12 22 0.001846 12	22 16.374 12 1 0 22 20.4657 12 1 0	25 0.000601 13 0 9 0 6.25 27 0.000715 14 0 25 0 9	27 0.000688 14 0 25 0 27 0.000452 14 0 25 0	0 20.25 23 0.00435 12 0 1 0 0 9 25 0.003242 13 0 9 0	0.25 22.5 0.003534 12 0 0.25 1 0 1 24 0.003071 13 0 4 1 0	22.5 24
min62	22.5 0.001846 12	22.5 16.6817 12 1 0	27 0.000715 14 0 25 0 9 27 0.000334 14 0 20.25 0 9	27 0.000452 14 0 25 0 27 0.000941 14 0 20.25 0		1 24 0.003071 13 0 4 1 0	24
min66	24 0.001777 13	24 14.6884 13 1 0	27 0.000439 14 0 9 0 6.25	29 0.00102 15 0 25 0		0.25 24.5 0.001525 13 0 0.25 1 0	24.5
min68 min70	24 0.001883 13 24.5 0.001946 13	24 17.988 13 1 0 24.5 16.4528 13 1 0	27 0.000441 14 0 9 0 1 27 0.000453 14 0 6.25 0 1	29 0.001093 15 0 25 0 31 0.001133 16 0 42.25 0	0 9 27 0.0051 14 0 9 0 0 25 27 0.00289 14 0 6.25 0	1 26 0.003291 14 0 4 1 0 1 26 0.003109 14 0 2.25 1 0	26 26
min72	26 0.002262 14	26 18.932 14 1 0	29 0.000787 15 0 9 0 6.25	31 0.001176 16 0 25 0	20.25 27 0.006765 14 0 1 0	0.25 26.5 0.003344 14 0 0.25 1 0	26.5
min74 min76	26 0.003084 14 26.5 0.002324 14	26 18.0521 14 1 0 26.5 14.361 14 1 0	31 0.000532 16 0 25 0 9 31 0.001109 16 0 20,25 0 9	31 0.000427 16 0 25 0 31 0.001007 16 0 20.25 0	9 29 0.005815 15 0 9 0 9 29 0.00589 15 0 6.25 0	1 28 0.00344 15 0 4 1 0 1 28 0.002942 15 0 2.25 1 0	28 28
min78	28 0.003654 15	28 21.0249 15 1 0	31 0.000555 16 0 9 0 6.25	33 0.000751 17 0 25 0	20.25 29 0.005611 15 0 1 0	0.25 28.5 0.00358 15 0 0.25 1 0	28.5
min80	28 0.001981 15	28 20.9692 15 1 0	31 0.001135 16 0 9 0 1	33 0.00048 17 0 25 0		1 30 0.002272 16 0 4 1 0	30
min82 min84	28.5 0.003272 15 30 0.003575 16	28.5 22.6013 15 1 0 30 25.412 16 1 0	31 0.000655 16 0 6.25 0 1 33 0.001264 17 0 9 0 6.25	35 0.000937 18 0 42.25 0 35 0.001474 18 0 25 0	0 25 31 0.006288 16 0 6.25 0 0 20.25 31 0.006137 16 0 1 0	1 30 0.003611 16 0 2.25 1 0 0.25 30.5 0.003815 16 0 0.25 1 0	30 30.5
min86	30 0.002349 16	30 25.3883 16 1 0	35 0.000691 18 0 25 0 9	35 0.001231 18 0 25 0	9 33 0.004052 17 0 9 0	1 32 0.003408 17 0 4 1 0	32
min88 min8	30.5 0.002139 16 2 0.001397 2	30.5 24.2507 16 1 0 2 0.023014 2 1 0	35 0.000686 18 0 20.25 0 9 2.5 0 2 0 0.25 1 0	35 0.001048 18 0 20.25 0 3 0 2 0 1 0) 9 33 0.007197 17 0 6.25 0) 0.25 2.5 0.00196 2 0 0.25 1	1 32 0.003515 17 0 2.25 1 0 0 2.5 0.002147 2 0 0.25 1 0	32 2.5
min90	32 0.003944 17	32 26.668 17 1 0	35 0.001285 18 0 9 0 6.25	37 0.001618 19 0 25 0	0 20.25 33 0.005696 17 0 1 0	0.25 32.5 0.003554 17 0 0.25 1 0	32.5
min92 min94	32 0.004188 17 32.5 0.004266 17	32 27.4065 17 1 0 32.5 17.7363 17 1 0	35 0.000592 18 0 9 0 1	37 0.001292 19 0 25 0 39 0.001855 20 0 42.25 0	9 35 0.003862 18 0 9 0 0 25 35 0.005257 18 0 6.25 0	1 34 0.003508 18 0 4 1 0 1 34 0.002587 18 0 2.25 1 0	34 34
min94 min96	34 0.004203 18	32.5 17.7363 17 1 0 34 19.3436 18 1 0	35 0.00141 18 0 6.25 0 1 37 0.001287 19 0 9 0 6.25	39 0.001855 20 0 42.25 0 39 0.001823 20 0 25 0	0 25 35 0.005257 18 0 6.25 0 0 20.25 35 0.004759 18 0 1 0	1 34 0.002587 18 0 2.25 1 0 0.25 34.5 0.003558 18 0 0.25 1 0	34 34.5
min98	34 0.002538 18	34 22.8856 18 1 0	39 0.001525 20 0 25 0 9	39 0.001406 20 0 25 0	9 37 0.00635 19 0 9 0	1 36 0.002439 19 0 4 1 0	36

	CPLEX		CP			GREEDY-1				GREEDY-2			GREEDY-1+CPLEX			GREEDY-2+CPLEX			minW
instance		uards		uards #hitsOpt s	sdOpt		uards #hit:	sOpt sdOpt #f	nitsMinH sdMinH	obj t[s] #gua	rds #hitsOpt sdOpt #h	itsMinF sdMinH	obj t[s] #guar	ds #hitsOpt sdOpt	#hitsMinF sdMinH	obj t[s] #guar	rds WhitsOpt sdOpt Whit	sMint sdMinH	obj
fat-100	2.37085 0.013558	8	2.37085 3.83536	8 1	0	2.48587 0.130629	7	0 0.01323	1 0	3.21611 0.10514	7 0 0.714464	0 0.53325	3.3454 0.034177	10 0 0.949748	0 0.738792	3.11803 0.056008	8 0 0.558278	0 0.399626	2.48587
fat-102 fat-104	2.32789 0.016726 2.31645 0.017951	8	2.32789 4.46299 2.31645 4.49442	8 1	0	3.38417 0.197111 3.16295 0.152596	11	0 1.115727 0 0.716562	0 0.059258 0 0.001947	3.17564 0.153609 3.15152 0.146389	7 0 0.71868 7 0 0.697342	0 0.001218	3.35097 0.129057 3.22832 0.102733	10 0 1.046693 10 0 0.831507	0 0.044197 0 0.011988	3.14074 0.140597 3.11883 0.143264	7 0 0.660725 7 0 0.643814	1 0	3.14074 3.11883
fat-104	2.27732 0.017951	8	2.31645 4.49442 2.27732 3.72374	8 1	0	3.10295 0.152596	11	0 0.716562	0 0.001947	3.15152 0.146389	7 0 0.697342	0 0.001069	3.22832 0.102733	10 0 0.831507	0 0.011988	3.08384 0.106412	7 0 0.643814	1 0	3.11883
fat-108	2.26698 0.014922	8	2.26698 4.77337	8 1	ō	3.30843 0.123491	10	0 1.084618	0 0.060005	3.09278 0.159344	7 0 0.681946	0 0.000859	3.32045 0.120585	10 0 1.109799	0 0.066039	3.06347 0.156759	7 0 0.634396	1 0	3.06347
fat-10	1.20968 0.00439	1	1.20968 0.41265	1 1	0	2.01613 0	2	0 0.650362	0 0.650362	1.20968 0	1 1 0 7 0 0.686744	1 0 0 0.042403	1.85484 0.001757	2 0 0.416231	0 0.416231	1.20968 0.002544	1 1 0 7 0 0.640992	1 0	1.20968
fat-110 fat-112	2.2312 0.007564 2.22184 0.020739	8	2.2312 4.43402 2.22184 4.40754	8 1	0	2.95406 0.199913 3.15563 0.204231	,	0 0.522527 0 0.871964	0 0.010016 0 0.020392	3.0599 0.071605 3.03917 0.208695	7 0 0.686744	0 0.042403	2.85398 0.12332 3.28873 0.135259	8 0 0.387855 10 0 1.138254	0 0.076121	3.03182 0.182365 3.01283 0.157117	7 0 0.640992	0 0.031627	2.85398 3.01283
fat-114	2.18901 0.021337	8	2.18901 5.8522	8 1	ő	3.07193 0.250553	8	0 0.779548	0 0.325893	3.00938 0.227504	7 0 0.673007	0 0.258389	2.50106 0.089611	9 0 0.097375	1 0	2.9841 0.072069	7 0 0.632168	0 0.233328	2.50106
fat-116	2.18019 0.021728	8	2.18019 4.21103	8 1	0	2.34637 0.105453	10	0 0.027616	1 0	2.98991 0.237525	7 0 0.655646	0 0.414144	3.21704 0.067244	10 0 1.075058	0 0.758066	2.96681 0.198261	7 0 0.618771	0 0.384946	2.34637
fat-118	2.14997 0.016245	8	2.14997 5.88895	8 1	0	3.12258 0.275354	8	0 0.94597	0 0.033102	2.96284 0.252106	7 0 0.660758	0 0.000493	3.17747 0.190321	10 0 1.055756	0 0.056088	2.94064 0.224215	7 0 0.625159	1 0	2.94064
fat-120 fat-122	2.14587 0.020831 2.11784 0.021477	8	2.14587 4.3272 2.11784 4.68336	8 1	0	2.23694 0.252189 2.99856 0.141561	7	0 0.008294 0 0.775668	1 0 0 0.007686	2.94766 0.264462 2.92292 0.142868	7 0 0.642867 7 0 0.648154	0 0.505123	2.44527 0.19491 2.91089 0.261147	9 0 0.08964 9 0 0.628928	0 0.043401	2.92623 0.229691 3.0358 0.271042	7 0 0.608962 7 0 0.842651	0 0.475121 0 0.015603	2.23694 2.91089
fat-124	2.11061 0.022967	8	2.11061 7.17858	8 1	ő	2.23024 0.146909	7	0 0.014311	1 0	2.9059 0.294008	7 0 0.632486	0 0.456516	2.3698 0.26322	9 0 0.067179	0 0.019477	3.01943 0.17743	7 0 0.825954	0 0.622821	2.23024
fat-126	2.08467 0.02457	8	2.08467 6.27758	8 1	0	3.0504 0.179482	10	0 0.932634	0 0.377561	2.8833 0.114197	7 0 0.63781	0 0.200131	2.43594 0.252205	10 0 0.123391	1 0	2.99274 0.285731	7 0 0.824591	0 0.310026	2.43594
fat-128 fat-12	2.07803 0.023529 1.74545 0.007077	8	2.07803 8.54244 1.74545 0.238974	8 1	0	2.88383 0.321326 2.12727 0.000118	7	0 0.649314	0 0.000273	2.8673 0.306035 2.01818 0	7 0 0.622947 2 0 0.074382	1 0	3.13022 0.31042 2.12727 0.007218	11 0 1.107104 2 0 0.145787	0 0.069127	2.97732 0.33966	7 0 0.808723 2 0 0.074382	0 0.012104	2.8673
fat-12 fat-130	1.74545 0.007077	2 9	1.74545 0.238974 2.05395 6.43733	2 1	0	2.12/2/ 0.000118 2.84661 0.340391	7	0 0.145787	0 0.011901	2.01818 0 2.84661 0.343461	7 0 0.62831	0 0 204449	2.12/2/ 0.00/218	10 0 0.11594	0 0.011901	2.01818 0.001607	7 0 0.074382 7 0 0.807931	0 0.311755	2.01818
fat-132	2.04783 0.026893	8	2.04783 7.94085	8 1	ő	2.86774 0.337159	8	0 0.672252	0 0.23269	2.83152 0.360943	7 0 0.61417	0 0.199059	2.38536 0.144519	10 0 0.113927	1 0	2.93824 0.343133	7 0 0.79283	0 0.305676	2.38536
fat-134	2.02543 0.027669	8	2.02543 6.74167	8 1	0	2.13321 0.33476	7	0 0.011617	1 0	2.81255 0.38058	7 0 0.619558	0 0.461503	2.30351 0.34162	9 0 0.077328	0 0.029002	2.91566 0.374547	7 0 0.792509	0 0.612228	2.13321
fat-136	2.01978 0.028157	8	2.01978 6.33332	8 1	0	2.87971 0.378458	8	0 0.73948	0 0.006629	2.79829 0.393778	7 0 0.606078	1 0	2.93083 0.308989	9 0 0.830012	0 0.017567	2.90188 0.408068	7 0 0.7781	0 0.010731	2.79829
fat-138 fat-140	1.99888 0.029755 1.99609 0.030043	8	1.99888 6.20842 1.99609 6.83074	8 1	0	2.89811 0.401464 2.95018 0.546288	8 10	0 0.808615	0 0.013752 0 0.032718	2.78084 0.423857 2.7693 0.239582	7 0 0.611461 7 0 0.597854	1 0	2.99438 0.368103 2.93575 0.383626	10 0 0.99102 10 0 0.882961	0 0.045599 0 0.027706	2.88104 0.426828 2.86993 0.250712	7 0 0.778206 7 0 0.763596	0 0.01004 0 0.010126	2.78084 2.7693
fat-142	1.97648 0.011514	8	1.97648 7.50857	8 1	ő	2.86706 0.498088	8	0 0.793133	0 0.012971	2.75317 0.418664	7 0 0.603247	1 0	3.05538 0.43923	9 0 1.164025	0 0.091331	2.85062 0.477884	7 0 0.764121	0 0.009497	2.75317
fat-144	1.97156 0.031513	8	1.97156 8.90258	8 1	0	2.94955 0.348001	10	0 0.956464	0 0.446358	2.74029 0.39844	7 0 0.590946	0 0.210534	2.28145 0.505971	10 0 0.096032	1 0	2.83813 0.175336	7 0 0.750944	0 0.309893	2.28145
fat-146	1.95319 0.030231	8	1.95319 9.58313	8 1	0	2.78812 0.545107	8	0 0.697108	0 0.003933	2.72541 0.508674	7 0 0.596324	1 0	2.87018 0.554304	9 0 0.840871	0 0.020958	2.82024 0.507595	7 0 0.751776	0 0.008993	2.72541
fat-148 fat-14	1.94862 0.025411 1.69942 0.005217	8	1.94862 10.9946 1.69942 0.228675	8 1	0	2.76057 0.567128 2.71098 0.000208	8	0 0.659263	0 0.002248 0 1.023254	2.71316 0.528 2.10405 0.00016	7 0 0.584521 2 0 0.163725	1 0 0 0.163725	2.98369 0.55125 1.69942 0.001523	11 0 1.07137	0 0.073186	2.80835 0.546373 1.9422 0.001731	7 0 0.739136 2 0 0.058942	0 0.009061 0 0.058942	2.71316 1.69942
fat-150	1.93138 0.034294	8	1.93138 9.45889	8 1	0	2.04454 0.44505	9	0 0.012805	1 0	2.6994 0.516104	7 0 0.589855	0 0.428842	2.93156 0.488304	11 0 1.00036	0 0.786804	2.79176 0.520069	7 0 0.740254	0 0.558338	2.04454
fat-152	1.92712 0.03497	8	1.92712 11.2976	8 1	0	2.71969 0.56064	8	0 0.628167	0 0.001021	2.68774 0.581898	7 0 0.578543	1 0	2.91642 0.662663	11 0 0.978714	0 0.052295	2.78042 0.589785	7 0 0.728121	0 0.00859	2.68774
fat-154	1.91091 0.03583	8	1.91091 9.66672	8 1	0	2.02056 0.687237	9	0 0.012023	1 0	2.675 0.602109	7 0 0.583834	0 0.428292	2.22158 0.635756	10 0 0.096516	0 0.040409	2.76499 0.58822	7 0 0.729453	0 0.554176	2.02056
fat-156 fat-158	1.90675 0.03681 1.89149 0.035446	8	1.90675 10.3886 1.89149 14.1883	8 1	0	1.99806 0.610642 2.89661 1.00217	7 11	0 0.008338	1 0 0 0.059863	2.66375 0.610723 2.65194 0.65699	7 0 0.573049 7 0 0.578284	0 0.443143	2.81011 0.660994 2.89661 0.620135	9 0 0.816059 11 0 1.010266	0 0.659425 0 0.059863	2.75439 0.508325 2.74002 0.676263	7 0 0.718494 7 0 0.720003	0 0.572035	1.99806 2.65194
fat-158	1.88978 0.035446	8	1.89149 14.1883	8 1	0	2.89661 1.00217	8	0 0.675289	0 0.059863	2.65194 0.65699	7 0 0.578284	1 0	2.89661 0.620135	11 0 1.010266	0 0.059863	2.74002 0.676263	7 0 0.720003	0 0.007758	2.65194
fat-162	1.87533 0.037999	8	1.87533 9.44251	8 1	0	2.72152 0.761008	8	0 0.716038	0 0.008032	2.6319 0.622319	7 0 0.572398	1 0	2.80466 0.847789	11 0 0.863654	0 0.029846	2.7175 0.748796	7 0 0.70925	0 0.007327	2.6319
fat-164	1.8718 0.039279	8	1.8718 14.9073	8 1	0	2.87232 1.04562	10	0 1.00104	0 0.06283	2.62166 0.739833	7 0 0.56229	1 0	2.85967 0.358608	11 0 0.975887	0 0.056649	2.70752 0.711232	7 0 0.698428	0 0.007372	2.62166
fat-166 fat-168	1.85815 0.03506 1.85483 0.041563	8	1.85815 15.2312 1.85483 14.7152	8 1	0	1.91855 0.276766 1.91518 0.77846	7	0 0.003648 0 0.003642	1 0	2.61143 0.7783 2.60162 0.817434	7 0 0.567431 7 0 0.557695	0 0.480083 0 0.4712	2.12557 0.97207 2.79669 0.958899	10 0 0.071513 10 0 0.8871	0 0.042857 0 0.77706	2.695 0.797693 2.68543 0.902973	7 0 0.700318 7 0 0.689896	0 0.602875 0 0.593285	1.91855 1.91518
fat-166	1.63636 0.004864	2	1.63636 0.381231	2 1	0	2.66667 0.000147	3	0 1.061539	0 1.061539	1.9697 0.000117	2 0 0.111116	0 0.111116	1.63636 0.002784	2 1 0	1 0	1.9697 0.002722	2 0 0.111116	0 0.111116	1.63636
fat-170	1.84191 0.042405	8	1.84191 16.7822	8 1	ō	2.7885 1.17724	10	0 0.896033	0 0.470006	2.5921 0.887537	7 0 0.562785	0 0.239287	2.10293 1.10333	10 0 0.068131	1 0	2.67373 0.830738	7 0 0.691925	0 0.325813	2.10293
fat-172	1.83879 0.043754	8	1.83879 14.5724	8 1	0	2.65691 0.939855	8	0 0.66932	0 0.00551	2.58268 0.898516	7 0 0.553372	1 0	2.75071 1.00522	10 0 0.831598	0 0.028234	2.66452 0.913571	7 0 0.68183	0 0.006698	2.58268
fat-174 fat-176	1.82655 0.01753 1.82361 0.046971	8	1.82655 15.9207 1.82361 17.6845	8 1	0	2.57964 0.997127 1.90254 0.509715	7	0 0.567145	0 3.4E-05	2.57381 0.359219 2.56476 0.980312	7 0 0.558398 7 0 0.549303	1 0 0 0.438535	2.77812 1.11614 2.77618 1.16852	11 0 0.905485 11 0 0.90739	0 0.041743 0 0.763247	2.65358 0.983231 2.64472 1.00424	7 0 0.683979 7 0 0.674222	0 0.006363	2.57381 1.90254
fat-176	1.82361 0.046971	8	1.82361 17.6845	8 1	0	2.62816 1.07568	8	0 0.666117	0 0.005138	2.55648 0.415785	7 0 0.549303	1 0	2.7763 0.676851	11 0 0.929874	0 0.763247	2.64472 1.00424	7 0 0.676457	0 0.550831	2.55648
fat-180	1.81066 0.028439	8	1.81066 19.0565	8 1	ō	2.59899 1.17995	8	0 0.621464	0 0.002506	2.54893 1.01546	7 0 0.545043	1 0	2.76494 0.681226	11 0 0.91065	0 0.04666	2.6271 0.411096	7 0 0.666574	0 0.006111	2.54893
fat-182	1.7996 0.034409	8	1.7996 22.6037	8 1	0	2.67834 1.19612	8	0 0.772184	0 0.01881	2.54119 1.0907	7 0 0.549956	1 0	2.74331 0.755924	11 0 0.890589	0 0.040852	2.61746 1.13021	7 0 0.668895	0 0.005817	2.54119
fat-184 fat-186	1.79695 0.034635	8	1.79695 22.9099 1.78642 23.9732	8 1	0	2.69083 1.17815	8 10	0 0.799021	0 0.024989	2.53275 1.10972 2.52552 1.14804	7 0 0.541402 7 0 0.546269	1 0	2.7534 0.785703 2.66263 0.553091	11 0 0.914797 9 0 0.767744	0 0.048686	2.60921 1.131 2.60016 1.18155	7 0 0.659766 7 0 0.662173	0 0.005846	2.53275 2.52552
fat-186 fat-188	1.78642 0.035231 1.78391 0.051528	8	1.78642 23.9732 1.78391 20.8882	8 1	0	2.65 0.595393 1.89174 1.1904	10	0 0.74577	0 0.015495	2.52552 1.14804 2.51738 1.15077	7 0 0.546269	0 0 391425	2.66263 0.553091 2.66475 1.63208	10 0 0.767744	0 0.018799	2.60016 1.18155 2.59219 1.24401	7 0 0.662173	0 0.005571	2.52552 1.89174
fat-18	1.60372 0.005181	2	1.60372 0.399785	2 1	ō	1.91489 0.000147	2	0 0.096827	0 0.096827	1.91489 0.00018	2 0 0.096827	0 0.096827	1.60372 0.001593	2 1 0	1 0	1.91489 0.002619	2 0 0.096827	0 0.096827	1.60372
fat-190	1.77389 0.053241	8	1.77389 26.2338	8 1	0	2.53717 1.33242	8	0 0.582596	0 0.000705	2.51061 1.22512	7 0 0.542756	1 0	2.70988 1.63959	11 0 0.876077	0 0.039709	2.58369 1.26156	7 0 0.655776	0 0.005341	2.51061
fat-192	1.77151 0.054489	8	1.77151 26.5644	8 1	0	1.82306 1.05442	.7	0 0.002657	1 0	2.50275 0.532841	7 0 0.534712	0 0.461978	2.6359 1.76146	10 0 0.74717	0 0.660709	2.57599 1.31886	7 0 0.647188	0 0.566904	1.82306
fat-194 fat-196	1.76196 0.056343	8	1.76196 22.8063 1.75959 28.9797	8 1	0	2.6062 1.6057 2.60034 1.44172	10	0 0.712741	0 0.012052	2.49642 1.32306 2.48875 1.38348	7 0 0.539431 7 0 0.531674	1 0	2.67106 1.5071 2.64021 1.66723	10 0 0.826463 11 0 0.775492	0 0.030499	2.568 1.29734 2.56068 1.18556	7 0 0.6497 7 0 0.641745	0 0.005124	2.49642 2.48875
fat-198	1.75047 0.060063	8	1.75047 29.3866	8 1	ő	2.48965 0.950903	7	0 0.546387	0 4.66E-05	2.48282 1.40065	7 0 0.536337	1 0	2.64319 1.86149	10 0 0.775492	0 0.025719	2.55316 1.28783	7 0 0.644311	0 0.003174	2.48282
fat-200	1.94461 0.062075	9	1.94461 146.55	9 1	0	2.78178 1.62303	9	0 0.700854	0 0.010743	2.67813 1.54756	8 0 0.538052	1 0	2.83818 1.76542	11 0 0.798467	0 0.025616	2.76788 1.58234	8 0 0.677773	0 0.008055	2.67813
fat-20	1.90279 0.004893	3	1.90279 0.361631	3 1	0	3.18511 0.000663	4	0 1.644345	0 1.591735	2.31644 0.000245	3 0 0.171106	0 0.154425	1.92347 0.002922	3 0 0.000428	1 0	2.31644 0.001886	3 0 0.171106	0 0.154425	1.92347
fat-22 fat-24	2.14682 0.004511 2.33234 0.003988	3	2.14682 0.044846 2.33234 0.045592	3 1	0	2.48165 0.000214 2.84866 0.00051	3	0 0.112111	0 0.031421 0 0.266586	2.48165 0.000308 3.22255 0.000434	3 0 0.112111 4 0 0.792474	0 0.031421	2.30439 0.002625 3.31157 0.002767	3 0 0.024828 4 0 0.958891	0 0.958891	2.48165 0.002297 2.33234 0.002228	3 0 0.112111	0 0.031421	2.30439 2.33234
fat-26	2.91871 0.004044	3	2.91871 0.530652	3 1	ō	3.37161 0.000607	4	0 0.205118	0 0.190209	2.93548 0.000766	3 0 0.000281	1 0	3.94194 0.003073	5 0 1.047	0 1.012962	2.93548 0.002955	3 0 0.000281	1 0	2.93548
fat-28	3.51292 0.001631	4	3.51292 0.193995	4 1	0	4.87085 0.001057	6	0 1.843974	0 1.359673	4.08856 0.000594	4 0 0.331361	0 0.147272	4.75277 0.002157	5 0 1.537228	0 1.098241	3.7048 0.003286	4 0 0.036818	1 0	3.7048
fat-30 fat-32	4.65374 0.005473 5.44348 0.00553	4	4.65374 0.097259 5.44348 0.531815	4 1	0	5.1662 0.001514 7.1979 0.001333	5	0 0.262615 0 3.07799	0 0.248612 0 3.035958	5.33241 0.000795 7.99099 0.002358	5 0 0.460593 8 0 6.489807	0 0.441986 0 6.42871	5.98338 0.006096	6 0 1.767943	0 1.731303 0 0.176888	4.66759 0.002534 5.4555 0.003575	4 0 0.000192	1 0	4.66759 5.4555
fat-32 fat-34	5.44348 0.00553 9.78005 0.001751	11	5.44348 0.531815 9.78005 1.97101	11 1	0	7.1979 0.001333 10.8804 0.004136	10	0 3.07/99	0 3.035958	7.99099 0.002358 12.0258 0.003469	8 0 6.489807 13 0 5.043393	0 6.428/1 0 5.043393	5.87608 0.002274 10.3415 0.0035	5 0 0.187143 11 0 0.315226	0 0.176888	5.4555 U.UU3575 9.78005 U.UU3574	5 0 0.000144 11 1 0	1 0	5.4555 9.78005
fat-36	10.3176 0.001747	11	10.3176 1.13442	11 1	ő	11.3853 0.004341	10	0 1.139983	0 1.139983	13.5109 0.002443	13 0 10.19716	0 10.19716	10.7835 0.002639	12 0 0.217063	0 0.217063	10.3176 0.00321	11 1 0	1 0	10.3176
fat-38	4.67494 0.002083	7	4.67494 0.430583	7 1	0	6.05598 0.002722	9	0 1.907271	0 1.113194	7.11106 0.002687	7 0 5.934681	0 4.452775	5.12099 0.00262	8 0 0.198961	0 0.014422	5.0009 0.00183	7 0 0.10625	1 0	5.0009
fat-40 fat-42	4.48842 0.002489 4.49002 0.004527	7	4.48842 0.410597 4.49002 0.508516	7 1	0	6.04929 0.003479 5.98004 0.007018	7	0 2.436315 0 2.22016	0 2.436315 0 0.085662	6.88573 0.004002 6.39246 0.003824	7 0 5.747095 7 0 3.619278	0 5.747095 0 0.497166	4.48842 0.002731 5.68736 0.004037	7 1 0 9 0 1.433623	1 0	4.83196 0.003102 6.02661 0.004061	7 0 0.11802	0 0.11802 0 0.115091	4.48842 5.68736
fat-42 fat-44	4.49002 0.004527 4.35913 0.003473	7	4.49002 0.508516 4.35913 0.352905	7 1	0	5.98004 0.007018 5.45484 0.006075	7	0 2.22016	0 0.085662	5.85166 0.003824 5.85166 0.006798	7 0 3.619278 7 0 2.227646	0 0.497166	5.68736 0.004037 5.366 0.00596	9 0 1.433623	0 1.013787	6.02661 0.004061 4.35913 0.006409	8 0 2.361109	0 0.115091	5.68736 4.35913
fat-46	4.36322 0.008734	8	4.36322 0.479206	8 1	ō	5.72007 0.006373	8	0 1.841042	0 0.743044	5.82649 0.006613	7 0 2.141159	0 0.937837	5.04962 0.004372	9 0 0.471145	0 0.036691	4.85807 0.004424	8 0 0.244877	1 0	4.85807
fat-48	4.24405 0.004951	8	4.24405 0.468922	8 1	0	4.56571 0.006649	7	0 0.103465	0 0.01558	5.40108 0.008585	7 0 1.338718	0 0.921965	4.44089 0.006237	9 0 0.038746	1 0	4.73375 0.004607	8 0 0.239806	0 0.085767	4.44089
fat-50	4.0047 0.00668	8	4.0047 0.513328	8 1	0	5.06566 0.009853	.7	0 1.125636	0 0.185304	5.14827 0.010748	7 0 1.307752	0 0.263251	4.63519 0.007025	9 0 0.397518	1 0	4.70476 0.005419	8 0 0.490084	0 0.00484	4.63519
fat-52 fat-54	3.91458 0.004951 3.71603 0.005065	8	3.91458 0.477414 3.71603 0.821417	8 1	0	5.48517 0.017594 4.92093 0.00984	10	0 2.466753 0 1.451784	0 0.687125 0 0.191686	5.03303 0.007417 4.82324 0.008475	7 0 1.25093 7 0 1.225914	0 0.141971 0 0.115688	5.37411 0.00892 4.9535 0.00574	10 0 2.130228 10 0 1.531332	0 0.515337 0 0.221267	4.65624 0.008874 4.48311 0.006497	8 0 0.55006 8 0 0.588412	1 0	4.65624 4.48311
fat-56	3.64631 0.00633	8	3.64631 1.13478	8 1	ō	5.04823 0.015256	8	0 1.96538	0 0.371356	4.72855 0.011	7 0 1.171243	0 0.083932	4.79182 0.004707	9 0 1.312193	0 0.124595	4.43884 0.010837	8 0 0.628104	1 0	4.43884
fat-58	3.47957 0.008503	8	3.47957 1.01824	8 1	0	4.51611 0.009607	8	0 1.074415	0 0.251452	4.5528 0.023573	7 0 1.151823	0 0.289595	4.01466 0.009026	9 0 0.286321	1 0	4.24703 0.014386	8 0 0.588995	0 0.053996	4.01466
fat-60	3.43861 0.005443	8	3.43861 0.987614	8 1	0	4.67356 0.031051	9	0 1.525102	0 0.19524	4.48378 0.010051	7 0 1.09238	0 0.063544	4.63674 0.00709	10 0 1.435515	0 0.164057	4.2317 0.01052	8 0 0.628992	1 0	4.2317
fat-62 fat-64	3.29606 0.006881 3.25101 0.008793	8	3.29606 0.901946 3.25101 1.18003	8 1	0	3.63613 0.03263 4.44695 0.014811	9	0 0.115648 0 1.430272	0 0 301566	4.33458 0.016094 4.26634 0.029044	7 0 1.078524 7 0 1.030895	0 0.487832 0 0.135822	3.81925 0.016927 3.8978 0.013279	9 0 0.273728 10 0 0.418337	0 0.033533	4.10177 0.017197 4.03936 0.019135	8 0 0.649169 8 0 0.621496	0 0.216821 0 0.020039	3.63613 3.8978
fat-66	3.12862 0.008308	8	3.12862 1.31223	8 1	ō	4.31572 0.044812	9	0 1.409206	0 0.325915	4.13902 0.018855	7 0 1.020908	0 0.155386	3.74483 0.011722	9 0 0.379715	1 0	3.92833 0.024757	8 0 0.639536	0 0.033672	3.74483
fat-68	3.09178 0.006574	8	3.09178 1.27	8 1	0	3.40202 0.027076	9	0 0.096249	1 0	4.07987 0.032194	7 0 0.976322	0 0.459481	3.58476 0.023932	9 0 0.243029	0 0.033394	3.87588 0.021294	8 0 0.614813	0 0.224543	3.40202
fat-70	2.98568 0.009423	8	2.98568 1.38587	8 1	0	4.29922 0.033021	10	0 1.725387	0 0.699013	3.97034 0.038103	7 0 0.969555	0 0.257242	3.46315 0.025473	9 0 0.227978	1 0	3.78014 0.011831	8 0 0.631167	0 0.100483	3.46315
fat-72 fat-74	2.95512 0.010662 2.86235 0.006587	8	2.95512 1.46029 2.86235 1.00054	8 1	0	4.42241 0.048445 4.15548 0.052373	9 10	0 2.15294 0 1.672185	0 0.99373 0 0.253281	3.91838 0.029071 3.82346 0.038938	7 0 0.92787 7 0 0.923732	0 0.242881 0 0.029327	3.42555 0.018332 4.05063 0.03461	9 0 0.221304 10 0 1.412009	1 0 0 0.158738	3.73544 0.032837 3.65221 0.036824	8 0 0.608899 8 0 0.623879	0 0.096032	3.42555 3.65221
fat-74	2.83612 0.005271	8	2.88235 1.00054	8 1	0	4.15548 U.U52373 3.96825 U.U52373	9	0 1.072185	0 0.253281	3.82346 0.038938	7 0 0.923732	0 0.029327	3.34186 0.018189	9 0 0.255773	1 0	3.65221 0.036824	8 0 0.623879	0 0.073468	3.65221
fat-78	2.75444 0.012234	8	2.75444 1.63303	8 1	ō	3.00597 0.038323	9	0 0.063267	0 0.020403	3.69381 0.045931	7 0 0.882416	0 0.690029	2.86313 0.01982	9 0 0.011814	1 0	3.54009 0.021683	8 0 0.617246	0 0.458275	2.86313
fat-80	2.74041 0.008914	8	2.74041 1.44483	8 1	0	2.99195 0.052117	9	0 0.063272	1 0	3.65829 0.055204	7 0 0.842504	0 0.444009	3.18023 0.033125	9 0 0.193442	0 0.035449	3.50973 0.021798	8 0 0.591853	0 0.268096	2.99195
fat-82 fat-84	2.6677 0.007615 2.64765 0.011452	8	2.6677 1.35698 2.64765 1.56132	8 1	0	2.83547 0.044776 4.00245 0.098707	8	0 0.028147 0 1.835483	1 0 0 0.868158	3.58559 0.050022 3.54777 0.062412	7 0 0.842522 7 0 0.810216	0 0.56268 0 0.227596	3.0906 0.043538 3.0707 0.052885	9 0 0.178844 9 0 0.178971	0 0.065091	3.44555 0.060493 3.41203 0.032663	8 0 0.605051 8 0 0.584277	0 0.372198 0 0.116506	2.83547 3.0707
fat-84 fat-86	2.54765 0.011452 2.58292 0.011189	8	2.64765 1.56132 2.58292 1.95026	8 1	0	4.00245 0.098707 2.7424 0.083456	8	0 1.835483	1 0	3.54777 0.062412 3.48376 0.090302	7 0 0.810216	0 0.227596	3.0707 0.052885 3.68062 0.04925	9 0 0.1789/1 10 0 1.204945	0 0.880257	3.41203 0.032663 3.35542 0.066665	8 0 0.584277 8 0 0.596756	0 0.116506	2.7424
fat-88	2.56523 0.012025	8	2.56523 2.32422	8 1	ō	2.72429 0.077955	8	0 0.0253	1 0	3.44958 0.047361	7 0 0.782075	0 0.526046	3.01037 0.04385	9 0 0.19815	0 0.081842	3.32494 0.075197	8 0 0.577159	0 0.36078	2.72429
fat-8	1.17647 0.003081	1	1.17647 0.030131	1 1	0	1.88235 0	2	0 0.498267	0 0.498267	1.17647 0	1 1 0	1 0	1.88235 0.001405	2 0 0.498267	0 0.498267	1.17647 0.002044	1 1 0	1 0	1.17647
fat-90 fat-92	2.50728 0.014688 2.4916 0.014357	8	2.50728 2.43152 2.4916 2.0643	8 1	0	2.71772 0.116205 2.70971 0.052937	9 10	0 0.044285	1 0	3.39294 0.076522 3.36188 0.068687	7 0 0.784394 7 0 0.757387	0 0.455922 0 0.425326	2.90341 0.046642 2.87194 0.061545	9 0 0.156919 9 0 0.144659	0 0.034481 0 0.026319	3.27477 0.080061 3.24692 0.075953	8 0 0.589041 8 0 0.570508	0 0.310305 0 0.288595	2.71772 2.70971
fat-92 fat-94	2.4916 0.014357 2.43948 0.010579	8	2.4916 2.0643 2.43948 1.97837	8 1	0	2.709/1 0.052937 2.69067 0.160198	10	0 0.047572	1 0	3.36188 0.068687 3.31152 0.109727	7 0 0.757387	0 0.425326	2.8/194 0.061545 2.81015 0.080028	9 0 0.144659	0 0.026319	3.24692 0.075953 3.20226 0.091876	8 0 0.570508 8 0 0.581833	0 0.288595	2.709/1
fat-96	2.4255 0.014871	8	2.4255 2.89135	8 1	0	2.52709 0.120525	8	0 0.010321	1 0	3.28316 0.123152	7 0 0.735581	0 0.571642	2.88559 0.077922	9 0 0.211683	0 0.128522	3.17669 0.047411	8 0 0.564286	0 0.42198	2.52709
fat-98	2.3784 0.015763	8	2.3784 2.54281	8 1	0	3.58807 0.200561	11	0 1.463302	0 0.203672	3.23819 0.136155	7 0 0.739239	0 0.010286	3.42523 0.089196	10 0 1.095853	0 0.083209	3.13677 0.081272	8 0 0.575125	1 0	3.13677

	CPLEX		CP	GREEDY-1	GREEDY-2	GREEDY-1+CPLEX	GREEDY-2+CPLEX minH
instance obj	t[s] #guards	obj	t[s] #guards #hitsOpt sdOpt	obj t[s] #guards #hitsOpt sdOpt #hitsMinH sdMinH	obj t[s] #guards #hitsOpt sdOpt #hitsMinH sdMinH	d obj t[s] #guards #hitsOpt sdOpt #hitsMinH sdMinH	obj t[s] #guards #hitsOpt sdOpt #hitsMinH sdMinH obj
fat-100 fat-102	7 0.012345 7 7 0.016126 7		7 0.247156 7 1 0 7 0.219943 7 1 0	7 0.132426 7 1 0 1 0 7 0.150284 7 1 0 1 0	7 0.148147 7 1 0 1 7 0.152892 7 1 0 1	0 7 0.114385 7 1 0 1 0 0 7 0.139082 7 1 0 1 0	7 0.113529 7 1 0 1 0 7 0.109396 7 1 0 1 0
fat-104	7 0.006971 7		7 0.274268 7 1 0	7 0.138002 7 1 0 1 0	7 0.162589 7 1 0 1	0 7 0.131132 7 1 0 1 0	7 0.058486 7 1 0 1 0
fat-106 fat-108	7 0.016359 7 7 0.017655 7		7 0.205394 7 1 0 7 0.242549 7 1 0	7 0.126959 7 1 0 1 0 7 0.189419 7 1 0 1 0	7 0.164673 7 1 0 1 7 0.172381 7 1 0 1	0 7 0.074736 7 1 0 1 0 0 7 0.117646 7 1 0 1 0	7 0.141878 7 1 0 1 0 20 0.166418 7 0 169 0 169
fat-108	1 0.00157 1		1 0.015015 1 1 0	1 0 1 1 0 1 0	1 0 1 1 0 1	0 1 0.002548 1 1 0 1 0	1 0.002544 1 1 0 1 0
fat-110	7 0.018543 7		7 0.328471 7 1 0	7 0.201055 7 1 0 1 0	7 0.183058 7 1 0 1	0 7 0.176267 7 1 0 1 0	7 0.080586 7 1 0 1 0
fat-112 fat-114	7 0.018888 7 7 0.019726 7		7 0.631035 7 1 0 7 0.40192 7 1 0	7 0.213005 7 1 0 1 0 7 0.22806 7 1 0 1 0	7 0.208495 7 1 0 1 7 0.224767 7 1 0 1	0 7 0.184486 7 1 0 1 0 0 7 0.195879 7 1 0 1 0	7 0.186386 7 1 0 1 0 7 0.18628 7 1 0 1 0
fat-116	7 0.018149 7		7 0.270444 7 1 0	7 0.237468 7 1 0 1 0	7 0.208416 7 1 0 1	0 7 0.183176 7 1 0 1 0	7 0.214 7 1 0 1 0
fat-118	7 0.019366 7		7 0.372529 7 1 0	7 0.09397 7 1 0 1 0	7 0.2468 7 1 0 1	0 7 0.223283 7 1 0 1 0	7 0.224694 7 1 0 1 0
fat-120 fat-122	7 0.021291 7 7 0.018731 7		7 0.328907 7 1 0 7 0.516222 7 1 0	7 0.244011 7 1 0 1 0 7 0.270077 7 1 0 1 0	7 0.255445 7 1 0 1 7 0.099058 7 1 0 1	0 7 0.174302 7 1 0 1 0 0 7 0.266021 7 1 0 1 0	21.5 0.193192 7 0 210.25 0 210.25 7 0.273568 7 1 0 1 0
fat-124	7 0.022817 7		7 0.334496 7 1 0	7 0.298085 7 1 0 1 0	7 0.294573 7 1 0 1	0 7 0.107133 7 1 0 1 0	7 0.275736 7 1 0 1 0
fat-126 fat-128	7 0.016099 7 7 0.022594 7		7 0.372243 7 1 0 7 0.466284 7 1 0	7 0.287658 7 1 0 1 0 7 0.308462 7 1 0 1 0	7 0.311777 7 1 0 1 7 0.184023 7 1 0 1	0 7 0.311786 7 1 0 1 0 0 7 0.259109 7 1 0 1 0	7 0.293403 7 1 0 1 0 7 0.337799 7 1 0 1 0
fat-128 fat-12	2 0.003823 2		2 0.024311 2 1 0	2 0 2 1 0 1 0	2 0.000113 2 1 0 1	0 2 0.001963 2 1 0 1 0	2 0.001504 2 1 0 1 0
fat-130	7 0.025218 7		7 0.340895 7 1 0	7 0.34664 7 1 0 1 0	7 0.342485 7 1 0 1	0 7 0.188759 7 1 0 1 0	7 0.349246 7 1 0 1 0
fat-132 fat-134	7 0.025835 7 7 0.026535 7		7 0.378652 7 1 0 7 0.398795 7 1 0	7 0.362598 7 1 0 1 0 7 0.381372 7 1 0 1 0	7 0.362196 7 1 0 1 7 0.218463 7 1 0 1	0 7 0.198584 7 1 0 1 0 0 7 0.321391 7 1 0 1 0	7 0.372081 7 1 0 1 0 7 0.140009 7 1 0 1 0
fat-136	7 0.028333 7		7 0.8763 7 1 0	7 0.398222 7 1 0 1 0	7 0.372221 7 1 0 1	0 7 0.283555 7 1 0 1 0	7 0.30723 7 1 0 1 0
fat-138	7 0.01138 7		7 0.501266 7 1 0	7 0.416015 7 1 0 1 0	7 0.418336 7 1 0 1	0 7 0.422847 7 1 0 1 0	7 0.327043 7 1 0 1 0
fat-140 fat-142	7 0.029866 7 7 0.030798 7		7 0.430275 7 1 0 7 0.478353 7 1 0	7 0.431828 7 1 0 1 0 7 0.401334 7 1 0 1 0	7 0.431619 7 1 0 1 7 0.457322 7 1 0 1	0 7 0.226229 7 1 0 1 0 0 7 0.282565 7 1 0 1 0	7 0.455838 7 1 0 1 0 7 0.469373 7 1 0 1 0
fat-144	7 0.030798 7		7 0.442252 7 1 0	7 0.171221 7 1 0 1 0	7 0.479532 7 1 0 1	0 7 0.475484 7 1 0 1 0	7 0.490729 7 1 0 1 0
fat-146	7 0.032279 7		7 0.723306 7 1 0	7 0.504607 7 1 0 1 0	7 0.186681 7 1 0 1	0 7 0.46857 7 1 0 1 0	7 0.515995 7 1 0 1 0
fat-148 fat-14	7 0.033506 7 2 0.00752 2		7 0.440014 7 1 0 2 0.03059 2 1 0	7 0.535107 7 1 0 1 0 2 0.000174 2 1 0 1 0	7 0.525127 7 1 0 1 2 0.000164 2 1 0 1	0 7 0.538409 7 1 0 1 0 0 2 0.002192 2 1 0 1	7 0.547146 7 1 0 1 0 2 0.001355 2 1 0 1 0
fat-150	7 0.03486 7		7 0.577777 7 1 0	7 0.515326 7 1 0 1 0	7 0.54107 7 1 0 1	0 7 0.568463 7 1 0 1 0	7 0.560819 7 1 0 1 0
fat-152	7 0.035227 7		7 0.569072 7 1 0	7 0.548983 7 1 0 1 0	7 0.573935 7 1 0 1	0 7 0.561184 7 1 0 1 0	7 0.573546 7 1 0 1 0
fat-154 fat-156	7 0.036978 7 7 0.034963 7		7 0.495204 7 1 0 7 0.47481 7 1 0	7 0.47086 7 1 0 1 0 7 0.627581 7 1 0 1 0	7 0.604864 7 1 0 1 7 0.445867 7 1 0 1	0 7 0.612554 7 1 0 1 0 0 7 0.639002 7 1 0 1 0	7 0.616579 7 1 0 1 0 7 0.627945 7 1 0 1 0
fat-158	7 0.036664 7		7 0.6097 7 1 0	7 0.650623 7 1 0 1 0	7 0.620589 7 1 0 1	0 7 0.686658 7 1 0 1 0	7 0.667572 7 1 0 1 0
fat-160	7 0.039103 7 7 0.039933 7		7 0.968956 7 1 0	7 0.344815 7 1 0 1 0	7 0.682587 7 1 0 1	0 7 0.701394 7 1 0 1 0	7 0.698845 7 1 0 1 0
fat-162 fat-164	7 0.039933 7 7 0.04197 7		7 0.65257 7 1 0 7 0.640702 7 1 0	7 0.391086 7 1 0 1 0 7 0.372619 7 1 0 1 0	7 0.720214 7 1 0 1 7 0.751407 7 1 0 1	0 7 0.752108 7 1 0 1 0 0 7 0.753844 7 1 0 1 0	7 0.752809 7 1 0 1 0 7 0.776092 7 1 0 1 0
fat-166	7 0.035087 7		7 0.762793 7 1 0	7 0.438697 7 1 0 1 0	7 0.78192 7 1 0 1	0 7 0.301888 7 1 0 1 0	7 0.721776 7 1 0 1 0
fat-168 fat-16	7 0.016831 7 2 0.00359 2		7 0.534152 7 1 0	7 0.307396 7 1 0 1 0 2 0.000104 2 1 0 1 0	7 0.822776 7 1 0 1	0 7 0.818055 7 1 0 1 0 0 2 0.001986 2 1 0 1	27.5 0.316974 7 0 420.25 0 420.25 2 0.002439 2 1 0 1 0
fat-16 fat-170	2 0.00359 2 7 0.045988 7		2 0.053112 2 1 0 7 0.624492 7 1 0	2 0.000104	2 0.000235 2 1 0 1 7 0.857554 7 1 0 1	0 2 0.001986 2 1 0 1 0 0 7 0.872317 7 1 0 1 0	2 0.002439 2 1 0 1 0 7 0.871258 7 1 0 1 0
fat-172	7 0.048298 7		7 0.586277 7 1 0	7 0.892463 7 1 0 1 0	7 0.885206 7 1 0 1	0 7 0.912702 7 1 0 1 0	7 0.46701 7 1 0 1 0
fat-174 fat-176	7 0.049099 7 7 0.050032 7		7 0.648868 7 1 0 7 0.588004 7 1 0	7 0.942488 7 1 0 1 0 7 0.953718 7 1 0 1 0	7 0.507151 7 1 0 1 7 0.507704 7 1 0 1	0 7 0.95059 7 1 0 1 0 0 7 0.541202 7 1 0 1 0	7 0.516467 7 1 0 1 0 7 0.979131 7 1 0 1 0
fat-178	7 0.050032 7		7 0.779351 7 1 0	7 0.998317 7 1 0 1 0	7 0.481156 7 1 0 1	0 7 1.08176 7 1 0 1 0	7 1.04927 7 1 0 1 0
fat-180	7 0.036859 7		7 0.878199 7 1 0	7 1.03832 7 1 0 1 0	7 0.505488 7 1 0 1	0 7 1.05822 7 1 0 1 0	7 1.06576 7 1 0 1 0
fat-182 fat-184	7 0.037875 7 7 0.032628 7		7 0.728622 7 1 0 7 0.769529 7 1 0	7 1.0184 7 1 0 1 0 7 1.12376 7 1 0 1 0	7 0.567707 7 1 0 1 7 0.431713 7 1 0 1	0 7 1.107 7 1 0 1 0 0 7 1.14364 7 1 0 1 0	7 0.959735 7 1 0 1 0 7 1.15987 7 1 0 1 0
fat-186	7 0.032026 7		7 0.782996 7 1 0	7 0.621886 7 1 0 1 0		0 7 1.17522 7 1 0 1 0	7 0.645212 7 1 0 1 0
fat-188	7 0.058385 7		7 0.738842 7 1 0	7 1.19751 7 1 0 0 8.465074	7 1.19112 7 1 0 0 8.4650		4.09052 1.38023 8 0 8.465074 1 0 4.090
fat-18 fat-190	2 0.00382 2 7 0.060523 7		2 0.034273 2 1 0 7 0.792715 7 1 0	2 0.000151 2 1 0 1 0 7 1.23262 7 1 0 1 0	2 0.000151 2 1 0 1 7 1.23993 7 1 0 1	0 2 0.001821 2 1 0 1 0 0 7 1.21094 7 1 0 1 0	2 0.002559 2 1 0 1 0 7 12682 7 1 0 1 0
fat-192	7 0.060323 7		7 0.828779 7 1 0	7 1.20627 7 1 0 1 0	7 1.27723 7 1 0 1	0 7 1.31444 7 1 0 1 0	7 0.66485 7 1 0 1 0
fat-194	7 0.064047 7		7 0.779521 7 1 0	7 1.32077 7 1 0 1 0	7 1.32129 7 1 0 1	0 7 0.532765 7 1 0 1 0	7 0.734666 7 1 0 1 0
fat-196 fat-198	7 0.065262 7 7 0.067638 7		7 0.834036 7 1 0 7 1.03428 7 1 0	7 1.38385 7 1 0 1 0 7 1.30447 7 1 0 1 0	7 1.38098 7 1 0 1 7 1.41458 7 1 0 1	0 7 1.39561 7 1 0 1 0 0 7 1.47306 7 1 0 1 0	7 1.2913 7 1 0 1 0 7 1.03916 7 1 0 1 0
fat-200 3	2.5 0.075477 8		2.5 0.96774 8 1 0	32.5 0.635826 8 1 0 1 0	32.5 1.62747 8 1 0 1	0 32.5 1.49001 8 1 0 1 0	32.5 1.6965 8 1 0 1 0 32
fat-20	5 0.004443 3		5 0.027494 3 1 0	5 0.000497 3 1 0 1 0	5 0.00025 3 1 0 1	0 5 0.001921 3 1 0 1 0	5 0.002965 3 1 0 1 0
fat-22 fat-24	3 0.004553 3 3 0.001256 3		3 0.049452 3 1 0 3 0.035201 3 1 0	3 0.000594 3 1 0 1 0 4 0.000878 4 0 1 0 1	3 0.000372 3 1 0 1 4 0.000882 4 0 1 0	0 3 0.002806 3 1 0 1 0 1 3 0.002147 3 1 0 1 0	3 0.003174 3 1 0 1 0 3 0.001572 3 1 0 1 0
fat-26	3 0.002717 3		3 0.057855 3 1 0	3 0.000488 3 1 0 1 0	3 0.00039 3 1 0 1	0 3 0.002741 3 1 0 1 0	3 0.002197 3 1 0 1 0
fat-28 fat-30	4 0.001873 4 4 0.002859 4		4 0.036929 4 1 0 4 0.037424 4 1 0	4 0.000596 4 1 0 1 0 4 0.00067 4 1 0 1 0	4 0.000594 4 1 0 1 4 0.000862 4 1 0 1	0 4 0.003156 4 1 0 1 0 0 4 0.002433 4 1 0 1 0	4 0.00231 4 1 0 1 0 4 0.002193 4 1 0 1 0
fat-32	5 0.001966 5		5 0.051474 5 1 0	5 0.001784 5 1 0 1 0	5 0.001715 5 1 0 1	0 5 0.001835 5 1 0 1 0	5 0.003423 5 1 0 1 0
fat-34	9 0.001945 9		9 0.058238 9 1 0	9 0.003664 9 1 0 1 0	9 0.003683 9 1 0 1	0 9 0.003492 9 1 0 1 0	9 0.003147 9 1 0 1 0
fat-36 fat-38	10 0.001523 10 6 0.002596 6		10 0.095749 10 1 0 6 0.243121 6 1 0	10 0.005131 10 1 0 1 0 7 0.002934 7 0 1 0 1	10 0.002825 10 1 0 1 7 0.004519 7 0 1 0	0 10 0.003377 10 1 0 1 0 1 6 0.004173 6 1 0 1 0	10 0.002198 10 1 0 1 0 6 0.003341 6 1 0 1 0
fat-40	6 0.001846 6		6 0.054369 6 1 0	7 0.003037 7 0 1 0 1	7 0.005444 7 0 1 0	1 6 0.003883 6 1 0 1 0	6 0.002381 6 1 0 1 0
fat-42	6 0.002822 6		6 0.05956 6 1 0	7 0.00364 7 0 1 1 0	7 0.004717 7 0 1 1	0 7 0.004182 7 0 1 1 0	7 0.004417 7 0 1 1 0
fat-44 fat-46	6 0.002458 6 7 0.007423 7		6 0.02726 6 1 0 7 0.104261 7 1 0	7 0.007614 7 0 1 0 1 7 0.008172 7 1 0 1 0	7 0.005537 7 0 1 0 7 0.006327 7 1 0 1	1 6 0.006181 6 1 0 1 0 0 7 0.004265 7 1 0 1 0	6 0.003494 6 1 0 1 0 7 0.004441 7 1 0 1 0
fat-48	7 0.005818 7		7 0.087236 7 1 0	7 0.007632 7 1 0 1 0	7 0.01143 7 1 0 1	0 7 0.004871 7 1 0 1 0	7 0.004854 7 1 0 1 0
fat-50 fat-52	7 0.007475 7 7 0.007069 7		7 0.088931 7 1 0 7 0.112187 7 1 0	7 0.01078 7 1 0 1 0 7 0.013172 7 1 0 1 0	7 0.007546 7 1 0 1 7 0.014612 7 1 0 1	0 7 0.007948 7 1 0 1 0 0 7 0.00919 7 1 0 1 0	7 0.007286 7 1 0 1 0 7 0.005551 7 1 0 1 0
fat-52 fat-54	7 0.007069 7 7 0.008045 7		7 0.112187	7 0.013172	7 0.014612	0 7 0.00919 7 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 0.005551
fat-56	7 0.008383 7		7 0.096772 7 1 0	7 0.020816 7 1 0 1 0	7 0.02078 7 1 0 1	0 7 0.008539 7 1 0 1 0	7 0.007604 7 1 0 1 0
fat-58 fat-60	7 0.005582 7 7 0.0075 7		7 0.170908 7 1 0 7 0.156688 7 1 0	7 0.015304 7 1 0 1 0 7 0.015443 7 1 0 1 0	7 0.008703 7 1 0 1 7 0.013667 7 1 0 1	0 7 0.012527 7 1 0 1 0 0 7 0.011203 7 1 0 1 0	7 0.010103 7 1 0 1 0 7 0.009398 7 1 0 1 0
fat-62	7 0.006028 7		7 0.123734 7 1 0	7 0.024716 7 1 0 1 0	7 0.017633 7 1 0 1	0 7 0.018797 7 1 0 1 0	7 0.012542 7 1 0 1 0
fat-64	7 0.00951 7		7 0.158949 7 1 0	7 0.026734 7 1 0 1 0	7 0.026702 7 1 0 1	0 7 0.023232 7 1 0 1 0	7 0.021854 7 1 0 1 0
fat-66 fat-68	7 0.008191 7 7 0.005882 7		7 0.125975 7 1 0 7 0.193716 7 1 0	7 0.01884 7 1 0 1 0 7 0.029973 7 1 0 1 0	7 0.018819 7 1 0 1 7 0.040508 7 1 0 1	0 7 0.024346 7 1 0 1 0 0 7 0.024406 7 1 0 1 0	7 0.020912 7 1 0 1 0 7 0.014608 7 1 0 1 0
fat-70	7 0.011083 7		7 0.136827 7 1 0	7 0.031842 7 1 0 1 0	7 0.045097 7 1 0 1	0 7 0.015802 7 1 0 1 0	7 0.01188 7 1 0 1 0
fat-72	7 0.005077 7 7 0.006982 7		7 0.174447 7 1 0 7 0.102483 7 1 0	7 0.042508 7 1 0 1 0 7 0.04611 7 1 0 1 0	7 0.049064 7 1 0 1 7 0.039661 7 1 0 1	0 7 0.012125 7 1 0 1 0 0 7 0.034785 7 1 0 1 0	7 0.022534 7 1 0 1 0 7 0.034734 7 1 0 1 0
fat-74 fat-76	7 0.006982 7 7 0.006751 7		7 0.102483	7 0.04611	7 0.049026 7 1 0 1	0 7 0.034785 7 1 0 1 0	7 0.034734
fat-78	7 0.012434 7		7 0.213163 7 1 0	7 0.031816 7 1 0 1 0	7 0.032029 7 1 0 1	0 7 0.04185 7 1 0 1 0	7 0.039364 7 1 0 1 0
fat-80 fat-82	7 0.012689 7 7 0.007625 7		7 0.194138 7 1 0 7 0.36491 7 1 0	7 0.025499 7 1 0 1 0 7 0.054699 7 1 0 1 0	7 0.06489 7 1 0 1 7 0.027789 7 1 0 1	0 7 0.034581 7 1 0 1 0 0 7 0.040698 7 1 0 1 0	7 0.046177 7 1 0 1 0 7 0.056293 7 1 0 1 0
fat-82 fat-84	7 0.007625 7 7 0.012994 7		7 0.36491	7 0.054699	7 0.027/89	0 7 0.040698 7 1 0 1 0 0 7 0.064926 7 1 0 1 0	7 0.056293
fat-86	7 0.011348 7		7 0.226962 7 1 0	7 0.084028 7 1 0 1 0	7 0.078105 7 1 0 1	0 7 0.07085 7 1 0 1 0	7 0.067503 7 1 0 1 0
fat-88 fat-8	7 0.014201 7 1 0.00126 1		7 0.226922 7 1 0 1 0.012335 1 1 0	7 0.082318 7 1 0 1 0	7 0.072109 7 1 0 1	0 7 0.072138 7 1 0 1 0 0 1 0.000961 1 1 0 1	7 0.05048 7 1 0 1 0 1 0.001261 1 1 0 1 0
fat-90	7 0.00977 7		7 0.219287 7 1 0	7 0.10269 7 1 0 1 0	7 0.099959 7 1 0 1	0 7 0.075418 7 1 0 1 0	18 0.080477 7 0 121 0 121
fat-92	7 0.014752 7		7 0.237214 7 1 0	7 0.10945 7 1 0 1 0	7 0.100498 7 1 0 1	0 7 0.088099 7 1 0 1 0	18 0.086376 7 0 121 0 121
fat-94 fat-96	7 0.015652 7 7 0.015668 7		7 0.234246 7 1 0 7 0.244568 7 1 0	7 0.116081 7 1 0 1 0 7 0.128398 7 1 0 1 0	7 0.093895 7 1 0 1 7 0.118464 7 1 0 1	0 7 0.086318 7 1 0 1 0 0 7 0.098485 7 1 0 1 0	7 0.093144 7 1 0 1 0 7 0.091999 7 1 0 1 0
fat-98	7 0.013534 7		7 0.421193 7 1 0	7 0.135754 7 1 0 1 0	7 0.137042 7 1 0 1	0 7 0.107015 7 1 0 1 0	7 0.099334 7 1 0 1 0