MinArea Weight type W0

The column	CPLEX	CP	GREEDY-1	GREEDY-2	GREEDY-1+CPLEX	GREEDY-2+CPLEX	minH
Mary	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	obj t[s] #guards #hitsOpt sdOpt #hitsMinH sdMinH	obj t[s] #guards #hitsOpt sdOpt #hitsMinF sdMinH	obj
Column							
1							
Column	min106 16.2514 0.41167 19	16.2514 101.97 19 1 0	23.7182 0.00239 28 0 55.7531 0 24.7795	20.6436 0.00208 21 0 19.2914 0 3.62255	18.8867 0.00448 22 0 6.94481 0 0.02143	18.7403 0.00263 20 0 6.19462 1 0	18.7403
Mary			23.4146 0.00235 27 0 47.3069 0 20.5807	20.9268 0.00106 21 0 19.2739 0 4.19758			
Column							
1							
Column							
Column							
Column							
Column C							
Column			28 0.00166 33 0 79.1353 0 37.5156				21.875
Column C	min128 19.3895 0.00427 23	19.9727 128.952 23 0 0.34012	27.9909 0.00118 33 0 73.9841 0 30.6905	24.9294 0.00149 25 0 30.6905 0 6.14247	22.5968 0.08762 26 0 10.2868 0 0.02126	22.451 0.00496 24 0 9.37278 1 0	22.451
Column C				3 0 3 0 1 0 1			2
Column		19.9664 119.76 23 0 0.08497					
Column C	min132 19.9603 0.00464 24 min134 20.2457 0.00602 24				22.7285 0.00522 24 0 7.86295 1 0		
Column							
Column C					23.5823 0.00447 25 0 7.64965 1 0		
The column							
Column C							
Column							
Column							
Column							
Property							
Column C							
The column							
Column C		23.9614 178.565 28 0 0.08433			27.4467 0.00651 32 0 14.2559 0 0.18983		27.011
Mart						27.0054 0.00472 29 0 9.2964 1 0	
Part							
Mark							
March Marc			35.6958 U.002U1 41 U 118.438 U 56.9331 26.6596 U.00295 42 U 121.250 U 66.0050				
		2.56 0.15896 3 1 0	3.36 0 4 0 0.64 0 0.64	3.04 0 3 0 0.2304 0 0.2304			
Part		25.6741 185.429 30 0 0.08416			30.0256 0.00378 35 0 21.5445 0 1.03104		
Part							
Section Sect							
Fig. Column Col							
March Marc			39.4203 0.00383 46 0 158.979 0 86.033				
mel 9 1700 1700 1700 1700 1700 1700 1700 17							
Part							
				33.7523 0.00297 34 0 37.0163 0 6.0644			
March Marc				3.94737 0 4 0 1.2216 0 0.22438			
March Marc	min190 28.2393 0.0093 33	28.529 220.442 33 0 0.08393	41.5625 0.00355 49 0 177.508 0 94.1424	34.6113 0.00315 35 0 40.6024 0 7.57075	33.4527 0.00503 39 0 27.1795 0 2.53733	31.8598 0.00399 34 0 13.108 1 0	31.8598
March Marc							
March Marc							
March 1,798 1,79							
## 4-2068 2-201 5 4.208 2-201 5 4.							
March Color Colo			5.04065 0 6 0 1.69211 0 0.95181	4.87805 0 5 0 1.29552 0 0.66099			
March System Sy				5.66177 0.00011 6 0 2.11962 0 0.41869		5.82353 0.00244 6 0 2.61679 0 0.65419	5.01471
March S. 1487 S. 148							
March 1,747 1,747 1,747 1,747 1,747 1,748 1,74	min28 5.19101 0.73556 6	5.19101 0.2934 6 1 0	6.92135 0.00013 8 0 2.99408 0 0.8908	7.07865 0.00015 7 0 3.56318 0 1.21247	5.97753 0.00119 6 0 0.61861 1 0	6.60674 0.00159 7 0 2.00429 0 0.39591	5.97753
March Control Contro							
Marie Mari							
March Capable Capabl							
March 7,1517 7,164 9 7,1517 10,649 9 1 0 9,7931 1 0 6,8936 0 1,3146 9,8913 1,0005 1 0 7,5008 0 1,3146 9,8913 0,0005 1 0 1,5006 0,3146 1 0							
March Park							7.48092
Minister Principle Princ							
medical medi							
March Marc							
mm52 8.5647 300275 10 8.56487 300275 11 8.56487 31.652 11 1 1 1.00039 1.5 1.0003	min50 8.28313 0.32694 10	8.28313 34.3589 10 1 0	11.5964 0.00035 14 0 10.9778 0 4.44556	10.6928 0.0003 11 0 5.80651 0 1.45166	9.48795 0.1525 11 0 1.45159 1 0	10.241 0.00327 11 0 3.83325 0 0.56708	9.48795
minSS 9.13399 37.776 11 1 0 13.39 37.776 11 1 0 13.04 0.0004 15 0 13.051 0 4.3447 11.289 0.0009 13 0 7.2894 0 7	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
minds 94733 04466 11 94173 39867 11 1 0 113304 00044 16 0 15.054 0 7.21782 19851 00009 13 0 10.9121 0 4.3664 10.9855 00092 13 0 1.4801 1 0 11.4180 00395 12 0 1.04156 1 0 11.4181 00395 12 0 1.04156 1 0 11.4181 00395 12 0 1.04156 1 0 11.4181 00395 12 0 1.04156 1 0 11.4181 00395 12 0 1.04156 1 0 11.4181 00395 12 0 1.04156 1 0 11.4181 00395 12 0 1.04156 1 0 11.4181 00395 12 0 1.04156 1 0 1.04156 1 0 1.04156 1 0 1.04156 1 0 1.04156 1 0 1.04156 1 0 1.04156 1 0 1.04156 1 0 1.04156 1 0 0 1.04156 1 0 0 1.04156 1 0 1.04156 1 0 0 1.04156 1							
Minke 970149 92425 12 970149 92425			12.42/8 0.0008 15 0 10.8512 0 4.39447 13.3041 0.00044 16 0 15.1054 0 7.23997	11.8289 U.U0039 12 0 7.26416 0 2.24221 12.7062 0.00079 13 0 10.8154 0 4.27981			
mined 989558 41944 12 989558 41954 12 1 0 14287 00009 17 0 15.8807 0 49973 12.0009 17 0 15.981 0 0.0009 13 0 7.7964 0 0.0009 13 0 7.796							
minde 10.5541 0.00512 13 10.5541 0.00512 13 10.5541 0.00512 13 10.5541 0.00512 13 10.541 0.00512 13 10.541 0.00512 13 10.541 0.00512 13 10.541 0.00512 13 10.541 0.00512 13 10.541 0.00512 13 10.541 0.00512 13 10.541 0.00512 13 10.541 0.00512 14 0.00512 14 0.00512 14 0.00512 14 0.00512 14 0.00512 14 0.00512 14 0.00512 14 0.00512 14 0.00512 14 0.00512 15 0.00512 13 0.00512 14 0.00512 14 0.00512 14 0.00512 15 0.00512 13 0.00512 14 0.00512	min62 9.98558 0.41954 12	9.98558 43.0468 12 1 0	14.3077 0.00039 17 0 18.6807 0 4.99791	12.6683 0.00069 13 0 7.19699 0 0.35545	12.0721 0.27626 14 0 4.35357 1 0	12.2212 0.00251 13 0 4.998 0 0.02223	12.0721
min 1 10,8384 0,35006 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,6905 13 11,129 0,9905 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,1090 14 0,14987 0,14987 0,1498							
min/2 11.129 46.075 13 1 1.129 46.075 13 1 1 0 15.427 0.0004 18 0 15.4699 0 7.94 14.0869 0 7.94							12.3378
min 2 1.4074 0.0924 14 1.4074 5.13476 14 1 0 16 0.0002 19 0 1.092 0 7.9221 1.4963 0.0099 15 0 1.5667 1 0 1.5675 0.0029 16 0 1.5675 1.106 0.0099 15							
min** 11.692 0.39866 14 11.692 5.41965 14 1 1 0 15.672 0.0072 20 0 26.7866 1.6939 0.0099 15 0 8.7866 0 7.8959 1.1751 0.0093 16 0 8.7895 0.0099 15 0 0.2994 0.0099 15 0 0.2994 0.0099 15 0 0.2994 0.0099 15 0 0.2994 0.0099 15 0 0.2994 0.0099 15 0 0.2994 0.0099 15 0 8.7866 0 7.8959 0.19925 1.1751 0.0093 16 0 1.3464 1 0 1.1898 0.0053 15 0 1.5864 0.0099 15 0 0.2994 0.2994 0.0099 15 0 0.2994	min72 11.4074 0.40324 14		16 0.00102 19 0 21.092 0 7.9231	14.963 0.00093 15 0 12.6423 0 3.16057	13.1852 0.00289 15 0 3.16057 1 0	13.3333 0.00233 14 0 3.70909 0 0.02193	13.1852
min80 12.644 0.0048 15 12.644 5.0449 15 1 0 17.72 0.0009 21 0 28.688 0 15.8876 0.00009 16 0 12.699 0 1.4427 1.0014 0.1566 16 0 13.8429 1 0 1.4431 0.0038 15 0 1.5876 0.00009 17 0 1.4431 0.0038 15 0 1.5876 0.00009 17 0 1.4431 0.0038 15 0 1.5876 0.00009 17 0 1.4431 0.0038 15 0 1.4437 0.0009 17 0 1.4431 0.0038 15 0 1.4437 0.0009 17 0 1.4431 0.0038 15 0 1.4437 0.0009 17 0 1.4431 0.0038 15 0 1.4437 0.0009 17 0 1.4431 0.0009 17 0 1.44	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
minks 12.5461 0.64632 15 12.5461 0.64632 15 12.5461 0.64632 15 12.5461 0.64632 15 12.5461 0.64635 15 12.5461 0.64632 15 12.5461 0.64632 15 12.5461 0.64632 15 12.5461 0.64632 15 12.5461 0.64632 12.5461 0.64632 15 12.5461 0.64632 15 12.5461 0.64632 15 12.5461 0.64632 12.5461 12.5461 0.64632 12.5461 12.5461 12.5461 0.64632 12.5461 12.546							
minds 11,8309 52,142 15 1 0 18,247 0,0005 21 0 18,2							
minds 13.1158 00.0022 16 13.1158 54.8863 16 1 0 13.8862 00.014 2 0 3.36.026 15.967 15							
minds 14,007 14,017 16 14,007 75,003 16 1 0 19,291 10,016 2 0 4,6968 0 17,006 16,991 0 10,001 17 0 10,0497 0 12,0455 15,167 0,0048 18 0 12,294 1 0 15,041 0,0039 17 0 6,2701 0 5,2414 15,1678 15,1678 10,001 18	min84 13.1158 0.00222 16	13.1158 58.8863 16 1 0	18.8632 0.00144 22 0 33.0326 0 12.5097	16.9474 0.00069 17 0 14.6812 0 2.62797	15.3263 0.76278 17 0 4.88631 1 0	15.3263 0.00293 16 0 4.88631 1 0	15.3263
mind 14455 02889 2 14555 02849 2 1 150 2 0 2 0 2572 1 0 0 2572 1 0 0 2572 1 0 0 2575 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	min86 13.4007 0.14075 16	13.4007 75.0053 16 1 0	19.2911 0.00161 23 0 34.6968 0 17.0016	16.6404 0.0014 17 0 10.4957 0 2.16855	15.1678 0.00408 18 0 3.12264 1 0	15.9041 0.00389 17 0 6.26701 0 0.54214	15.1678
mind 139/06 00422 17 139/06 73.288 17 1 0 20.241 00.153 24 0 39.9867 0 16.9546 17.794 00.055 18 0 14.6192 0 2.51663 16.278 19 0 5.53614 0 0.02151 16.776 00.087 17 0 486599 1 0 15.776 17.794 00.055 18 0 14.6192 0 2.51663 16.278 19 0 5.53614 0 0.02151 16.776 00.087 17 0 486599 1 0 16.774 17.794 17				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
min94 142556 013918 17 142556 615846 17 1 0 177827 00079 19 011404 0 105822 18585 001079 19 0 221173 0 485982 16.78 0 45999 19 0 48595 1 0 16.78 000918 18 0 48490 1 169 167437 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 1 0 18.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 1 0 18.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 19 0 48595 1 0 16.78 000918 1 0 17.07 19 0 16.89 19 0 42234 1 18.98 00.0042 1 0 1 0 17.07 19 0 16.89 19 0 42234 1 18.98 00.0042 1 0 1 0 17.07 19 0 16.89 19 0 42234 1 1 0 1 0 17.07 19 0 16.89 19 0 42234 1 1 0 1 0 17.07 19 0 16.89 19 0 42234 1 1 0 1 0 17.07 19 0 16.89 19 0 42234 1 1 0 1 0 17.07 19 0 18.99 19 0 42234 1 1 0 1 1 0 1 17.07 19 0 18.99 19 0 42234 1 1 0 1 1 0 1 17.07 19 0 1 1 0 1 17.07 19 0 1 1 0 1 17.07 19 10 1 1 0 1 17.07 19 0 1 1 0 1 17.07 19 0 1 1 0 1 17.07 19 0 1 1 1 0 1 17.07 19 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1	min8 1.45455 0.28319 2 min90 13.9706 0.00422 17						16 1765
minds 14,5405 0,00351 17 15,906 70,459 17 1 0 20,556 0,0137 24 0,38,881 0 15,915 18,513 0,0087 19 0 15,915 0,015 19 0 15	min92 14.2556 0.13938 17				16.754 0.24434 18 0 6.242 1 0	16.754 0.00361 18 0 6.242 1 0	16.754
min98 15.1108 0.0027 18 15.1108 76.373 18 1 0 22.1527 0.00106 26 0 49.5884 0 24.8801 18.6317 0.0164 19 0 12.3967 0 2.15209 17.1647 0.00871 20 0 4.21851 1 0 17.6048 0.0041 19 0 6.22004 0 0.19999 17.1647 0.00871 19.00871	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	
15.9266 0.15216 18.9278 16.0389 98.2154 18.9588 67 48.0764 22.61446449 0.00197 26.2794 0.5925.75 3 2841.41 19.974 0.00168 20.1443 0 1316.57 0 359.643 18.486 0.07325 21.1856 2 841.447 57 31.988 18.3863 0.00354 19.5876 0 557.985 31 14.023 1.00154 1							
2.20627 76.9789 53.3049 42.6212 18.9642 29.0077 5.60347 25.6512 3.77655	min98 15.1108 0.00272 18						17.1647
	13.3200 0.13210 18.9278	2.20627	76.9789 53.3049	42.6212 18.9642	29.0077 5.60347	25.6512 3.77655	
		0.02275	0.7936 7.61498	0.43939 0.19551	0.29905 0.05777	0.26445 0.03893	

MinArea Weight type W1

	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 34.5 18.6605 18 1 0	obj t[s] #guards #hitsOpt sdOpt ii 39 0.000836 20 0 20.25	hitsMinH sdMinH	obj t[s] #guards #hi	tsOpt sdOpt #hitsMii 0 20.25	inH sdMinH	obj t[s] #guards #hitsOpt sdOp	ot #hitsMinF sdMinH 6.25 0 1	obj t[s] #guards #hitsOpt sdOpt	#hitsMinH sdMinH c	obj 36
min100 min102	34.5 0.004912 18 36 0.002088 19	34.5 18.6605 18 1 0 36 24.8302 19 1 0	39 0.000836 20 0 20.25 39 0.000844 20 0 9	0 9 0 6.25	39 0.001623 20 41 0.001015 21	0 20.25 0 25	0 9	37 0.006792 19 0 37 0.006504 19 0	6.25 0 1		.25 1 0 .25 1 0	36 36.5
min104	36 0.005001 19	36 22.5823 19 1 0	39 0.001464 20 0 9	0 1	41 0.001038 21	0 25	0 9	39 0.005894 20 0	9 0 1	38 0.002233 20 0	4 1 0	38
min106 min108	36.5 0.005057 19 38 0.003862 20	36.5 19.4088 19 1 0 38 19.1142 20 1 0	39 0.001704 20 0 6.25 41 0.001864 21 0 9	0 1 0 6.25	43 0.001704 22 43 0.00115 22	0 42.25 0 25	0 25 0 20.25	39 0.004231 20 0 39 0.003965 20 0	6.25 0 1 1 0 0.25		.25 1 0 .25 1 0	38 38.5
min10	2.5 0.001645 2	2.5 0.025546 2 1 0	2.5 0 2 1 0	1 0	5 0 3	0 6.25	0 6.25	2.5 0.002739 2 1	0 1 0	4 0.001208 3 0 2	25 0 2.25	2.5
min110	38 0.003824 20	38 26.3125 20 1 0	43 0.001849 22 0 25	0 9	43 0.00121 22	0 25	0 9	41 0.007962 21 0	9 0 1	40 0.002915 21 0	4 1 0	40
min112 min114	38.5 0.004373 20 40 0.00311 21	38.5 17.0565 20 1 0 40 25.782 21 1 0	43 0.00205 22 0 20.25 43 0.001034 22 0 9	0 9 0 6.25	43 0.002316 22 45 0.001263 23	0 20.25 0 25	0 9 0 20.25	41 0.006849 21 0 41 0.00525 21 0	6.25 0 1 1 0 0.25		.25 1 0 .25 1 0	40 40.5
min116	40 0.003085 21	40 23.4682 21 1 0	43 0.001034 22 0 9	0 1	45 0.001295 23	0 25	0 9	43 0.006509 22 0	9 0 1	42 0.004208 22 0	4 1 0	42
min118 min120	40.5 0.004828 21 42 0.003476 22	40.5 20.7536 21 1 0	43 0.001115 22 0 6.25 45 0.001137 23 0 9	0 1	47 0.002522 24 47 0.001521 24	0 42.25	0 25	43 0.007409 22 0 43 0.006272 22 0	6.25 0 1		.25 1 0	42
min120 min122	42 0.003476 22 42 0.004217 22	42 22.7189 22 1 0 42 29.796 22 1 0	45 0.001137 23 0 9 47 0.001193 24 0 25	0 6.25 0 9	47 0.001521 24 47 0.002786 24	0 25	0 20.25	43 0.006272 22 0 45 0.005267 23 0	1 0 0.25 9 0 1	42.5 0.004488 22 0 0 44 0.004359 23 0	25 1 0 4 1 0	42.5 44
min124	42.5 0.004175 22	42.5 23.0746 22 1 0	47 0.002417 24 0 20.25	0 9	47 0.002124 24	0 20.25	0 9	45 0.005271 23 0	6.25 0 1	44 0.004866 23 0 2	25 1 0	44
min126 min128	44 0.004917 23 44 0.00344 23	44 18.8016 23 1 0 44 21.0231 23 1 0	47 0.002435 24 0 9 47 0.001219 24 0 9	0 6.25	49 0.00151 25 49 0.00214 25	0 25	0 20.25	45 0.005832 23 0 47 0.007929 24 0	1 0 0.25		25 1 0	44.5 46
min128	44 0.00344 23 3 0.001384 2	44 21.0231 23 1 0 3 0.02527 2 1 0	4 0 3 0 1	0 1	49 0.00214 25 5 0 3	0 25 0 4	0 4	47 0.007929 24 0 3 0.001504 2 1	0 1 0	46 0.002744 24 0 4 0.00207 3 0	1 0 1	3
min130	44.5 0.005462 23	44.5 20.1244 23 1 0	47 0.000932 24 0 6.25	0 1	51 0.002303 26	0 42.25	0 25	47 0.005916 24 0	6.25 0 1		25 1 0	46
min132 min134	46 0.003671 24 46 0.003681 24	46 25.7015 24 1 0 46 22.8441 24 1 0	49 0.001341 25 0 9 51 0.002237 26 0 25	0 6.25	51 0.002644 26 51 0.002665 26	0 25 0 25	0 20.25	47 0.007558 24 0 49 0.005036 25 0	1 0 0.25	46.5 0.003177 24 0 0 48 0.003669 25 0	25 1 0	46.5 48
min136	46.5 0.003102 24	46.5 17.7608 24 1 0	51 0.002237 26 0 25 51 0.001427 26 0 20.25	0 9	51 0.002639 26	0 20.25	0 9	49 0.006738 25 0	6.25 0 1		.25 1 0	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 51 0.012607 26 0	1 0 0.25		.25 1 0	48.5 50
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 51 0.002311 26 0 6.25	0 1	53 0.002829 27 55 0.003172 28	0 25 0 42.25	0 9	51 0.012607 26 0 51 0.007049 26 0	9 0 1 6.25 0 1	50 0.002417 26 0 50 0.002993 26 0 2	4 1 0 .25 1 0	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 20.25	51 0.008911 26 0	1 0 0.25	50.5 0.003728 26 0 0	25 1 0	50.5
min146 min148	50 0.004424 26 50.5 0.003837 26	50 27.5224 26 1 0 50.5 28.2547 26 1 0	55 0.001639 28 0 25 55 0.003276 28 0 20.25	0 9	55 0.003329 28 55 0.003918 28	0 25 0 20.25	0 9	53 0.008845 27 0 53 0.007677 27 0	9 0 1	52 0.003513 27 0 52 0.004991 27 0 2	4 1 0 .25 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 5 0 3 0 1	0 9	55 0.003918 28 5 0 3	0 20.25	0 0.25	4.5 0.002262 3 0	6.25 0 1 0.25 1 0		.25 1 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 55 0.001665 28 0 6.25	0 1	57 0.002941 29 59 0.004424 30	0 25	0 9	55 0.011604 28 0 55 0.010153 28 0	9 0 1 6.25 0 1	54 0.003625 28 0 54 0.004711 28 0 2	4 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 42.25	0 20.25	55 0.016961 28 0	1 0 0.25		25 1 0	54.5
min158	54 0.003576 28	54 17.9449 28 1 0	59 0.003701 30 0 25	0 9	59 0.003389 30	0 25	0 9	57 0.009295 29 0	9 0 1	56 0.005781 29 0	4 1 0	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 0.003753 30 0 20.25 59 0.0038 30 0 9	0 9 0 6.25	59 0.00258 30 61 0.001705 31	0 20.25 0 25	0 9 0 20.25	57 0.012122 29 0 57 0.01483 29 0	6.25 0 1 1 0 0.25		.25 1 0 .25 1 0	56 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 61 0.003504 31 0 9	0 1 0 6.25	63 0.002447 32 63 0.002592 32	0 42.25	0 25 0 20.25	59 0.009848 30 0 59 0.008476 30 0	6.25 0 1 1 0 0.25		.25 1 0 .25 1 0	58
min168	4.5 0.002996 30 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 20.25	4.5 0.002662 3 1	0 1 0		.25 1 0	58.5 4.5
min170	58 0.005215 30	58 25.82 30 1 0	63 0.004317 32 0 25	0 9	63 0.003822 32	0 25	0 9	61 0.007149 31 0	9 0 1		4 1 0	60
min172 min174	58.5 0.006621 30 60 0.005493 31	58.5 21.6782 30 1 0 60 22.1466 31 1 0	63 0.004312 32 0 20.25 63 0.002848 32 0 9	0 9 0 6.25	63 0.002662 32 65 0.002764 33	0 20.25 0 25	0 9 0 20.25	61 0.009121 31 0 61 0.009392 31 0	6.25 0 1 1 0 0.25		.25 1 0 .25 1 0	60 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	62
min178	60.5 0.004744 31	60.5 43.0639 31 1 0	63 0.002232 32 0 6.25	0 1	67 0.004682 34	0 42.25	0 25	63 0.006435 32 0	6.25 0 1		.25 1 0	62
min180 min182	62 0.004254 32 62 0.004383 32	62 30.3854 32 1 0 62 41.9408 32 1 0	65 0.002697 33 0 9 67 0.002844 34 0 25	0 6.25	67 0.002931 34 67 0.003863 34	0 25 0 25	0 20.25	63 0.012175 32 0 65 0.011614 33 0	1 0 0.25	62.5 0.003835 32 0 0 64 0.004554 33 0	25 1 0	62.5 64
min184	62.5 0.006193 32	62.5 39.0329 32 1 0	67 0.002368 34 0 20.25	0 9	67 0.003289 34	0 20.25	0 9	65 0.010737 33 0	6.25 0 1	64 0.004459 33 0 2	25 1 0	64
min186 min188	64 0.007553 33 64 0.00543 33	64 17.2447 33 1 0 64 21.8653 33 1 0	67 0.00289 34 0 9 67 0.001848 34 0 9	0 6.25	69 0.00512 35 69 0.003961 35	0 25	0 20.25	65 0.020283 33 0 67 0.013054 34 0	1 0 0.25		25 1 0	64.5 66
min188	5 0.00177 3	5 0.064605 3 1 0	5 0 3 1 0	1 0	7 0 4	0 25	0 4	5 0.00269 3 1	0 1 0	6 0.003892 34 0	1 0 1	5
min190	64.5 0.005951 33	64.5 19.3961 33 1 0	67 0.00367 34 0 6.25	0 1	71 0.005693 36	0 42.25	0 25	67 0.027204 34 0	6.25 0 1		25 1 0	66
min192 min194	66 0.004305 34 66 0.007441 34	66 21.5852 34 1 0 66 16.583 34 1 0	69 0.004822 35 0 9 71 0.002721 36 0 25	0 6.25	71 0.006186 36 71 0.0034 36	0 25 0 25	0 20.25	67 0.006998 34 0 69 0.021268 35 0	1 0 0.25	66.5 0.005374 34 0 0 68 0.004929 35 0	25 1 0	66.5 68
min194 min196	66.5 0.005776 34	66.5 21.7487 34 1 0	71 0.002721 36 0 25 71 0.002776 36 0 20.25	0 9	71 0.003892 36	0 20.25	0 9	69 0.021268 35 0 69 0.011351 35 0	6.25 0 1		25 1 0	68
min198	68 0.004766 35	68 19.3156 35 1 0	71 0.003324 36 0 9	0 6.25	73 0.004065 37	0 25	0 20.25	69 0.009618 35 0	1 0 0.25	68.5 0.005393 35 0 0	25 1 0	68.5
min200 min20	69.5 0.005054 36 7.5 0.002472 5	69.5 27.642 36 1 0 7.5 0.044308 5 1 0	74.5 0.004602 38 0 25 10.5 0 6 0 9	0 9	75 0.007524 38 9 0.000142 5	0 30.25 0 2.25	0 12.25	72 0.007698 37 0 8 0.001846 5 0	6.25 0 0.25 0.25 1 0	71.5 0.004168 37 0 8 0.002797 5 0 0	4 1 0 .25 1 0	71.5
min22	8.5 0.002647 5	8.5 0.063065 5 1 0	11 0.000207 6 0 6.25	0 6.25	13 0.000117 7	0 20.25	0 20.25	9 0.001874 5 0	0.25 0 0.25	8.5 0.002383 5 1	0 1 0	8.5
min24	10 0.001374 6 10 0.001671 6	10 0.130275 6 1 0 10 0.120798 6 1 0	11 0 6 0 1 11 0.000221 6 0 1	0 1	15 0.00014 8	0 25	0 25	11 0.002477 6 0	1 0 1	10 0.001832 6 1	0 1 0	10
min26 min28	10 0.0016/1 6	10 0.120/98 6 1 0 10.5 0.153365 6 1 0	11 0.000221 6 0 1 13 0.000265 7 0 6.25	0 4	15 0.000148 8 15 0.000282 8	0 25 0 20.25	0 16 0 16	11 0.002876 6 0 11 0.002221 6 0	0.25 1 0	12 0.002426 7 0 12 0.001866 7 0 2	4 0 1 .25 0 1	11 11
min30	12 0.001393 7	12 0.24324 7 1 0	15 0.000304 8 0 9	0 6.25	17 0.000333 9	0 25	0 20.25	13 0.002828 7 0	1 0 0.25	12.5 0.002354 7 0 0	25 1 0	12.5
min32 min34	12 0.002366 7 12.5 0.003049 7	12 0.233272 7 1 0 12.5 2.85757 7 1 0	15 0.000163 8 0 9 15 0.000168 8 0 6.25	0 4	17 0.000209 9 19 0.000267 10	0 25 0 42.25	0 16 0 36	13 0.001953 7 0 13 0.001654 7 0	1 1 0 0.25 1 0	14 0.002743 8 0 14 0.00256 8 0 2	4 0 1 .25 0 1	13
min36	14 0.001651 8	12.5 2.85/5/ / 1 0	17 0.000168 8 0 6.25 17 0.000374 9 0 9	0 6.25	19 0.000267 10	0 42.25	0 20.25	15 0.001654 / 0 15 0.002898 8 0	1 0 0.25		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 19 0.00023 10 0 9	0 16 0 6.25	19 0.000233 10 21 0.000266 11	0 20.25 0 25	0 16 0 20.25	15 0.001977 8 0 17 0.001286 9 0	0.25 1 0 1 0 0.25		.25 0 1 .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 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 36	17 0.002684 9 0	0.25 1 0		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 23 0.000604 12 0 25	0 6.25 0 16	23 0.000404 12 23 0.000333 12	0 25 0 25	0 20.25 0 16	19 0.003228 10 0 19 0.002094 10 0	1 0 0.25 1 1 0	18.5 0.002491 10 0 0 20 0.002914 11 0	.25 1 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 23 0.000526 12 0 9	0 6.25	25 0.000687 13 25 0.000394 13	0 25	0 20.25 0 16	21 0.001966 11 0 21 0.003496 11 0	1 0 0.25	20.5 0.002171 11 0 0 22 0.003049 12 0	25 1 0	20.5 21
min58	20.5 0.002145 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	22 0.001945 12	22 16.374 12 1 0	25 0.000601 13 0 9	0 6.25	27 0.000688 14	0 25	0 20.25	23 0.00435 12 0	1 0 0.25		25 1 0	22.5
min62 min64	22 0.001846 12 22.5 0.001884 12	22 20.4657 12 1 0 22.5 16.6817 12 1 0	27 0.000715 14 0 25 27 0.000334 14 0 20.25	0 9	27 0.000452 14 27 0.000941 14	0 25 0 20.25	0 9	25 0.003242 13 0 25 0.003666 13 0	9 0 1	24 0.003071 13 0 24 0.003114 13 0 2	4 1 0 .25 1 0	24 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 20.25	25 0.005201 13 0	1 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 27 0.000453 14 0 6.25	0 1	29 0.001093 15 31 0.001133 16	0 25 0 42.25	0 9 0 25	27 0.0051 14 0 27 0.00289 14 0	9 0 1 6.25 0 1	26 0.003291 14 0 26 0.003109 14 0 2	4 1 0 .25 1 0	26 26
min70	26 0.002262 14	26 18.932 14 1 0	27 0.000453 14 0 6.25 29 0.000787 15 0 9	0 6.25	31 0.001133 16 31 0.001176 16	0 42.25	0 20.25	27 0.00289 14 0	1 0 0.25		.25 1 0	26.5
min74	26 0.003084 14	26 18.0521 14 1 0	31 0.000532 16 0 25	0 9	31 0.000427 16	0 25	0 9	29 0.005815 15 0	9 0 1	28 0.00344 15 0	4 1 0	28
min76 min78	26.5 0.002324 14 28 0.003654 15	26.5 14.361 14 1 0 28 21.0249 15 1 0	31 0.001109 16 0 20.25 31 0.000555 16 0 9	0 9 0 6.25	31 0.001007 16 33 0.000751 17	0 20.25 0 25	0 9 0 20.25	29 0.00589 15 0 29 0.005611 15 0	6.25 0 1 1 0 0.25		.25 1 0 .25 1 0	28 28.5
min80	28 0.001981 15	28 20.9692 15 1 0	31 0.001135 16 0 9	0 6.25	33 0.00048 17	0 25	0 20.25	31 0.005398 16 0	9 0 1	30 0.002272 16 0	4 1 0	30
min82	28.5 0.003272 15	28.5 22.6013 15 1 0	31 0.000655 16 0 6.25	0 1	35 0.000937 18	0 42.25	0 25	31 0.006288 16 0	6.25 0 1		25 1 0	30
min84 min86	30 0.003575 16 30 0.002349 16	30 25.412 16 1 0 30 25.3883 16 1 0	33 0.001264 17 0 9 35 0.000691 18 0 25	0 6.25 0 9	35 0.001474 18 35 0.001231 18	0 25 0 25	0 20.25	31 0.006137 16 0 33 0.004052 17 0	1 0 0.25 9 0 1	30.5 0.003815 16 0 0 32 0.003408 17 0	25 1 0 4 1 0	30.5 32
min88	30.5 0.002139 16	30.5 24.2507 16 1 0	35 0.000686 18 0 20.25	0 9	35 0.001231 18	0 20.25	0 9	33 0.007197 17 0	6.25 0 1	32 0.003515 17 0 2	25 1 0	32
min8 min90	2 0.001397 2 32 0.003944 17	2 0.023014 2 1 0 32 26.668 17 1 0	2.5 0 2 0 0.25 35 0.001285 18 0 9	1 0 0 6.25	3 0 2 37 0.001618 19	0 1	0 0.25 0 20.25	2.5 0.00196 2 0 33 0.005696 17 0	0.25 1 0 1 0 0.25		.25 1 0 .25 1 0	2.5
min90 min92	32 0.003944 17 32 0.004188 17	32 26.668 17 1 0 32 27.4065 17 1 0	35 0.001285 18 0 9 35 0.000592 18 0 9	0 6.25 0 1	37 0.001618 19 37 0.001292 19	0 25 0 25	0 20.25	33 0.005696 17 0 35 0.003862 18 0	1 0 0.25 9 0 1	32.5 0.003554 17 0 0 34 0.003508 18 0	.25 1 0 4 1 0	32.5 34
min94	32.5 0.004266 17	32.5 17.7363 17 1 0	35 0.00141 18 0 6.25	0 1	39 0.001855 20	0 42.25	0 25	35 0.005257 18 0	6.25 0 1	34 0.002587 18 0 2	25 1 0	34
min96 min98	34 0.004203 18 34 0.002538 18	34 19.3436 18 1 0 34 22.8856 18 1 0	37 0.001287 19 0 9 39 0.001525 20 0 25	0 6.25	39 0.001823 20 39 0.001406 20	0 25	0 20.25	35 0.004759 18 0 37 0.00635 19 0	1 0 0.25	34.5 0.003558 18 0 0 36 0.002439 19 0	25 1 0	34.5 36
	36.03093 0.003536 18.92784	36.03093 18.95467 18.92784 97 0	39.27835 0.001473 20.15464 2 1159	4 535.25	40.91753 0.001818 20.95876	0 2439.5	0 1502.75	37.78351 0.006667 19.41237 4	395.5 19 54.75	37.31443 0.003406 19.57732 2 199		
			34.04409 0.35097	23.13547 0.23851		49.39129 0.509189	38.76532 0.399642		8718 7.399324 15022 0.076282	14.13 0.1457		
			0.33037					0.20		0.1431		

FAT Weight type W0

CPLEX	CP	GREEDY-1		GREEDY-2		GREEDY-1+CPLEX		GREEDY-2+CPLEX			minH
instance obj t[s] #guards fat-100 2.37085 0.013558 8	obj t[s] #guards #hitsOpt sdOpt 2.37085 3.83536 8 1 0	obj t[s] #guards #hitsOpt sdOpt #hit 2.48587 0.130629 7 0 0.01323	sMinH sdMinH	obj t[s] #guards 3.21611 0.10514	#hitsOpt sdOpt #hitsMinF sdMinH 7 0 0.714464 0 0.5332	obj t[s] #guards #hitsOpt sdOpt 3.3454 0.034177 10 0 0.949	#hitsMinF sdMinH 748 0 0 738792	obj t(s) #guards # 3.11803 0.056008 8		inF sdMinH o 0 0.399626	obj 2 48587
fat-102 2.32789 0.016726 8	2.32789 4.46299 8 1 0	3.38417 0.197111 11 0 1.115727	0 0.059258	3.17564 0.153609	7 0 0.71868 0 0.00121	3.35097 0.129057 10 0 1.046	593 0 0.044197	3.14074 0.140597 7	0 0.660725	1 0	3.14074
fat-104 2.31645 0.017951 8 fat-106 2.27732 0.01903 8	2.31645 4.49442 8 1 0 2.27732 3.72374 8 1 0	3.16295 0.152596 7 0 0.716562 3.23701 0.263828 11 0 0.921005	0 0.001947 0 0.023461	3.15152 0.146389 3.1151 0.178805	7 0 0.697342 0 0.001069 7 0 0.701875 0 0.00097	3.22832 0.102733 10 0 0.831 3.33861 0.07651 10 0 1.126		3.11883 0.143264 7 3.08384 0.106412 7	0 0.643814 0 0.650475		3.11883 3.08384
fat-108 2.26698 0.014922 8	2.26698 4.77337 8 1 0	3.30843 0.123491 10 0 1.084618	0 0.060005	3.09278 0.159344	7 0 0.681946 0 0.00085	3.32045 0.120585 10 0 1.109	799 0 0.066039	3.06347 0.156759 7	0 0.634396	1 0	3.06347
fat-10 1.20968 0.00439 1 fat-110 2.2312 0.007564 8	1.20968 0.41265 1 1 0 2.2312 4.43402 8 1 0	2.01613 0 2 0 0.650362 2.95406 0.199913 7 0 0.522527	0 0.650362 0 0.010016	1.20968 0 3.0599 0.071605	1 1 0 1 1 7 0 0.686744 0 0.04240	1.85484 0.001757 2 0 0.416 2.85398 0.12332 8 0 0.387		1.20968 0.002544 1 3.03182 0.182365 7	1 0 0 0.640992		1.20968 2.85398
fat-110 2.2312 0.007564 8 fat-112 2.22184 0.020739 8	2.2312 4.43402 8 1 0 2.22184 4.40754 8 1 0	3.15563 0.204231 8 0 0.871964	0 0.020392	3.03917 0.208695	7 0 0.668028 0 0.00069	2.85398 0.12332 8 0 0.387 3.28873 0.135259 10 0 1.138		3.01283 0.157117 7	0 0.625665		3.01283
fat-114 2.18901 0.021337 8	2.18901 5.8522 8 1 0	3.07193 0.250553 8 0 0.779548	0 0.325893	3.00938 0.227504	7 0 0.673007 0 0.25838	2.50106 0.089611 9 0 0.097	375 1 0	2.9841 0.072069 7	0 0.632168	0 0.233328	2.50106
fat-116 2.18019 0.021728 8 fat-118 2.14997 0.016245 8	2.18019 4.21103 8 1 0 2.14997 5.88895 8 1 0	2.34637 0.105453 10 0 0.027616 3.12258 0.275354 8 0 0.94597	1 0 0 0.033102	2.98991 0.237525 2.96284 0.252106	7 0 0.655646 0 0.41414- 7 0 0.660758 0 0.00049:	3.21704 0.067244 10 0 1.075 3.17747 0.190321 10 0 1.055		2.96681 0.198261 7 2.94064 0.224215 7	0 0.618771 0 0.625159		2.34637 2.94064
fat-120 2.14587 0.020831 8	2.14587 4.3272 8 1 0	2.23694 0.252189 7 0 0.008294	1 0	2.94766 0.264462	7 0 0.642867 0 0.50512	2.44527 0.19491 9 0 0.08	964 0 0.043401	2.92623 0.229691 7	0 0.608962	0 0.475121	2.23694
fat-122 2.11784 0.021477 8 fat-124 2.11061 0.022967 8	2.11784 4.68336 8 1 0 2.11061 7.17858 8 1 0	2.99856 0.141561 8 0 0.775668 2.23024 0.146909 7 0 0.014311	0 0.007686	2.92292 0.142868 2.9059 0.294008	7 0 0.648154 0 0.00014 7 0 0.632486 0 0.45651	2.91089 0.261147 9 0 0.628 2.3698 0.26322 9 0 0.067		3.0358 0.271042 7 3.01943 0.17743 7			2.91089
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 0.20013	2.43594 0.252205 10 0 0.123	391 1 0	2.99274 0.285731 7	0 0.824591	0 0.310026	2.43594
fat-128 2.07803 0.023529 8 fat-12 1.74545 0.007077 2	2.07803 8.54244 8 1 0 1.74545 0.238974 2 1 0	2.88383 0.321326 7 0 0.649314 2.12727 0.000118 2 0 0.145787	0 0.000273	2.8673 0.306035 2.01818 0	7 0 0.622947 1 0 2 0 0.074382 1	3.13022 0.31042 11 0 1.107 2.12727 0.007218 2 0 0.145		2.97732 0.33966 7 2.01818 0.001607 2	0 0.808723	0 0.012104	2.8673
fat-12 1.74545 0.007077 2 fat-130 2.05395 0.026357 8	2.05395 6.43733 8 1 0	2.12727 0.000118 2 0 0.145787 2.84661 0.340391 7 0 0.62831	0 0.204449	2.84661 0.343461	7 0 0.62831 0 0.20444	2.39445 0.31839 10 0 0.11		2.9528 0.345264 7			2.39445
fat-132 2.04783 0.026893 8	2.04783 7.94085 8 1 0	2.86774 0.337159 8 0 0.672252	0 0.23269	2.83152 0.360943	7 0 0.61417 0 0.19905			2.93824 0.343133 7			2.38536
fat-134 2.02543 0.027669 8 fat-136 2.01978 0.028157 8	2.02543 6.74167 8 1 0 2.01978 6.33332 8 1 0	2.13321 0.33476 7 0 0.011617 2.87971 0.378458 8 0 0.73948	1 0 0 0.006629	2.81255 0.38058 2.79829 0.393778	7 0 0.619558 0 0.46150 7 0 0.606078 1	2.30351 0.34162 9 0 0.077 2.93083 0.308989 9 0 0.830		2.91566 0.374547 7 2.90188 0.408068 7			2.13321 2.79829
fat-138 1.99888 0.029755 8	1.99888 6.20842 8 1 0	2.89811 0.401464 8 0 0.808615	0 0.013752	2.78084 0.423857	7 0 0.611461 1	2.99438 0.368103 10 0 0.99	102 0 0.045599	2.88104 0.426828 7	0 0.778206	0 0.01004	2.78084
fat-140 1.99609 0.030043 8 fat-142 1.97648 0.011514 8	1.99609 6.83074 8 1 0 1.97648 7.50857 8 1 0	2.95018 0.546288 10 0 0.910288 2.86706 0.498088 8 0 0.793133	0 0.032718 0 0.012971	2.7693 0.239582 2.75317 0.418664	7 0 0.597854 1 7 7 0 0.603247 1	2.93575 0.383626 10 0 0.882 3.05538 0.43923 9 0 1.164		2.86993 0.250712 7 2.85062 0.477884 7	0 0.763596 0 0.764121	0 0.010126 0 0.009497	2.7693 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 0.21053		32 1 0	2.83813 0.175336 7	0 0.750944		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	2.87018 0.554304 9 0 0.840		2.82024 0.507595 7			2.72541
fat-148 1.94862 0.025411 8 fat-14 1.69942 0.005217 2	1.94862 10.9946 8 1 0 1.69942 0.228675 2 1 0	2.76057 0.567128 8 0 0.659263 2.71098 0.000208 3 0 1.023254	0 0.002248 0 1.023254	2.71316 0.528 2.10405 0.00016	7 0 0.584521 1 0 2 0 0.163725 0 0.16372	2.98369 0.55125 11 0 1.07 1.69942 0.001523 2 1	137 0 0.073186 0 1 0	2.80835 0.546373 7 1.9422 0.001731 2			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 0.42884	2.93156 0.488304 11 0 1.00		2.79176 0.520069 7	0 0.740254	0 0.558338	2.04454
fat-152 1.92712 0.03497 8 fat-154 1.91091 0.03583 8	1.92712 11.2976 8 1 0 1.91091 9.66672 8 1 0	2.71969 0.56064 8 0 0.628167 2.02056 0.687237 9 0 0.012023	0 0.001021	2.68774 0.581898 2.675 0.602109	7 0 0.578543 1 0 7 0 0.583834 0 0.42829	2.91642 0.662663 11 0 0.978 2.22158 0.635756 10 0 0.096		2.78042 0.589785 7 2.76499 0.58822 7	0 0.728121 0 0.729453		2.68774 2.02056
fat-156 1.90675 0.03681 8	1.90675 10.3886 8 1 0	1.99806 0.610642 7 0 0.008338	1 0	2.66375 0.610723	7 0 0.573049 0 0.44314	2.81011 0.660994 9 0 0.816	059 0 0.659425	2.75439 0.508325 7	0 0.718494	0 0.572035	1.99806
fat-158 1.89149 0.035446 8 fat-160 1.88978 0.034361 8	1.89149 14.1883 8 1 0 1.88978 10.0433 8 1 0	2.89661 1.00217 11 0 1.010266 2.71154 0.73585 8 0 0.675289	0 0.059863 0 0.004711	2.65194 0.65699 2.6429 0.688538	7 0 0.578284 1 0 7 0 0.56719 1	2.89661 0.620135 11 0 1.010 2.84341 0.774138 11 0 0.90		2.74002 0.676263 7 2.73092 0.639612 7		0 0.007758 0 0.007748	2.65194
fat-160 1.889/8 0.034361 8 fat-162 1.87533 0.037999 8	1.87533 9.44251 8 1 0	2.71154 0.73585 8 0 0.675289 2.72152 0.761008 8 0 0.716038	0 0.004711	2.6429 0.688538	7 0 0.56719 1 1	2.84341 0.7/4138 11 0 0.90		2.73092 0.639612 7		0 0.007748	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	2.85967 0.358608 11 0 0.975	887 0 0.056649	2.70752 0.711232 7			2.62166
fat-166 1.85815 0.03506 8 fat-168 1.85483 0.041563 8	1.85815 15.2312 8 1 0 1.85483 14.7152 8 1 0	1.91855 0.276766 7 0 0.003648 1.91518 0.77846 7 0 0.003642	1 0	2.61143 0.7783 2.60162 0.817434	7 0 0.567431 0 0.48008 7 0 0.557695 0 0.471	2.12557 0.97207 10 0 0.071 2.79669 0.958899 10 0 0.8		2.695 0.797693 7 2.68543 0.902973 7			1.91855 1.91518
fat-16 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 0.11111	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 fat-172 1.83879 0.043754 8	1.84191 16.7822 8 1 0 1.83879 14.5724 8 1 0	2.7885 1.17724 10 0 0.896033 2.65691 0.939855 8 0 0.66932	0 0.470006	2.5921 0.887537 2.58268 0.898516	7 0 0.562785 0 0.23928 7 0 0.553372 1	2.10293 1.10333 10 0.068 2.75071 1.00522 10 0.0831		2.67373 0.830738 7 2.66452 0.913571 7			2.10293
fat-172 1.83879 0.043754 8 fat-174 1.82655 0.01753 8	1.82655 15.9207 8 1 0	2.57964 0.997127 7 0 0.567145	0 0.00551 0 3.4E-05	2.57381 0.359219	7 0 0.558398 1	2.77812 1.11614 11 0 0.905		2.65358 0.983231 7			2.57381
fat-176 1.82361 0.046971 8	1.82361 17.6845 8 1 0	1.90254 0.509715 7 0 0.00623	1 0	2.56476 0.980312	7 0 0.549303 0 0.43853			2.64472 1.00424 7			1.90254
fat-178 1.812 0.047062 8 fat-180 1.81066 0.028439 8	1.812 17.6969 8 1 0 1.81066 19.0565 8 1 0	2.62816 1.07568 8 0 0.666117 2.59899 1.17995 8 0 0.621464	0 0.005138	2.55648 0.415785 2.54893 1.01546	7 0 0.55425 1 0 7 0 0.545043 1	2.7763 0.676851 11 0 0.929 2.76494 0.681226 11 0 0.91		2.63447 1.01897 7 2.6271 0.411096 7			2.55648 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	2.74331 0.755924 11 0 0.890	89 0 0.040852	2.61746 1.13021 7	0 0.668895	0 0.005817	2.54119
fat-184 1.79695 0.034635 8 fat-186 1.78642 0.035231 8	1.79695 22.9099 8 1 0 1.78642 23.9732 8 1 0	2.69083 1.17815 8 0 0.799021 2.65 0.595393 10 0 0.74577	0 0.024989 0 0.015495	2.53275 1.10972 2.52552 1.14804	7 0 0.541402 1 0 7 0 0.546269 1	2.7534 0.785703 11 0 0.914 2.66263 0.553091 9 0.0767		2.60921 1.131 7 2.60016 1.18155 7			2.53275
fat-188 1.78391 0.051528 8	1.78391 20.8882 8 1 0	1.89174 1.1904 8 0 0.011627	1 0	2.51738 1.15077	7 0 0.537978 0 0.39142			2.59219 1.24401 7			1.89174
fat-18 1.60372 0.005181 2	1.60372 0.399785 2 1 0	1.91489 0.000147 2 0 0.096827	0 0.096827	1.91489 0.00018	2 0 0.096827 0 0.09682		0 1 0	1.91489 0.002619 2			1.60372
fat-190 1.77389 0.053241 8 fat-192 1.77151 0.054489 8	1.77389 26.2338 8 1 0 1.77151 26.5644 8 1 0	2.53717 1.33242 8 0 0.582596 1.82306 1.05442 7 0 0.002657	0 0.000705	2.51061 1.22512 2.50275 0.532841	7 0 0.542756 1 0 7 0 0.534712 0 0.46197	2.70988 1.63959 11 0 0.876 2.6359 1.76146 10 0 0.74		2.58369 1.26156 7 2.57599 1.31886 7			2.51061 1.82306
fat-194 1.76196 0.056343 8	1.76196 22.8063 8 1 0	2.6062 1.6057 10 0 0.712741	0 0.012052	2.49642 1.32306	7 0 0.539431 1	2.67106 1.5071 10 0 0.826	163 0 0.030499	2.568 1.29734 7	0 0.6497	0 0.005124	2.49642
fat-196 1.75959 0.056803 8 fat-198 1.75047 0.060063 8	1.75959 28.9797 8 1 0 1.75047 29.3866 8 1 0	2.60034 1.44172 8 0 0.706861 2.48965 0.950903 7 0 0.546387	0 0.012452 0 4.66E-05	2.48875 1.38348 2.48282 1.40065	7 0 0.531674 1 1 7 0 0.536337 1	2.64021 1.66723 11 0 0.775 2.64319 1.86149 10 0 0.796		2.56068 1.18556 7 2.55316 1.28783 7			2.48875 2.48282
fat-200 1.94461 0.062075 9	1.75047 29.3866 8 1 0	2.48965 0.950903 / 0.0546387 2.78178 1.62303 9 0.700854	0 0.010743	2.48282 1.40065	7 0 0.536337 1 1 8 0 0.538052 1	2.84319 1.86149 10 0 0.796 2.83818 1.76542 11 0 0.798		2.76788 1.58234 8			2.48282
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 0.15442	1.92347 0.002922 3 0 0.000	128 1 0	2.31644 0.001886 3			1.92347
fat-22 2.14682 0.004511 3 fat-24 2.33234 0.003988 3	2.14682 0.044846 3 1 0 2.33234 0.045592 3 1 0	2.48165 0.000214 3 0 0.112111 2.84866 0.00051 4 0 0.266586	0 0.031421 0 0.266586	2.48165 0.000308 3.22255 0.000434	3 0 0.112111 0 0.03142 4 0 0.792474 0 0.79247-	. 2.30439 0.002625 3 0 0.024 3.31157 0.002767 4 0 0.958		2.48165 0.002297 3 2.33234 0.002228 3	0 0.112111		2.30439
fat-26 2.91871 0.004044 3	2.91871 0.530652 3 1 0	3.37161 0.000607 4 0 0.205118	0 0.190209	2.93548 0.000766	3 0 0.000281 1	3.94194 0.003073 5 0 1.	047 0 1.012962	2.93548 0.002955 3	0 0.000281		2.93548
fat-28 3.51292 0.001631 4 fat-30 4.65374 0.005473 4	3.51292 0.193995 4 1 0 4.65374 0.097259 4 1 0	4.87085 0.001057 6 0 1.843974 5.1662 0.001514 5 0 0.262615	0 1.359673 0 0.248612	4.08856 0.000594 5.33241 0.000795	4 0 0.331361 0 0.14727 5 0 0.460593 0 0.44198	4.75277 0.002157 5 0 1.537 5 5.98338 0.006096 6 0 1.767		3.7048 0.003286 4 4.66759 0.002534 4	0 0.036818 0 0.000192	1 0	3.7048 4.66759
fat-30 4.65374 0.005473 4 fat-32 5.44348 0.00553 5	5.44348 0.531815 5 1 0	7.1979 0.001333 7 0 3.07799	0 3.035958	7.99099 0.002358	8 0 6.489807 0 6.4287			5.4555 0.003575 5	0 0.000192	1 0	5.4555
fat-34 9.78005 0.001751 11	9.78005 1.97101 11 1 0	10.8804 0.004136 10 0 1.21077	0 1.21077	12.0258 0.003469 1				9.78005 0.003274 11	1 0		9.78005
fat-36 10.3176 0.001747 11 fat-38 4.67494 0.002083 7	10.3176 1.13442 11 1 0 4.67494 0.430583 7 1 0	11.3853 0.004341 10 0 1.139983 6.05598 0.002722 9 0 1.907271	0 1.139983 0 1.113194	13.5109 0.002443 1: 7.11106 0.002687	3 0 10.19716 0 10.1971 7 0 5.934681 0 4.45277	10.7835 0.002639 12 0 0.217 5.12099 0.00262 8 0 0.198		10.3176 0.00321 11 5.0009 0.00183 7	0 0.10625	1 0	10.3176
fat-40 4.48842 0.002489 7	4.48842 0.410597 7 1 0	6.04929 0.003479 7 0 2.436315	0 2.436315	6.88573 0.004002	7 0 5.747095 0 5.74709	4.48842 0.002731 7 1	0 1 0	4.83196 0.003102 7	0 0.11802		4.48842
fat-42 4.49002 0.004527 7 fat-44 4.35913 0.003473 7	4.49002 0.508516 7 1 0 4.35913 0.352905 7 1 0	5.98004 0.007018 7 0 2.22016 5.45484 0.006075 7 0 1.20058	0 0.085662 0 1.20058	6.39246 0.003824 5.85166 0.006798	7 0 3.619278 0 0.49716 7 0 2.227646 0 2.22764	5.68736 0.004037 9 0 1.433 5.366 0.00596 9 0 1.013		6.02661 0.004061 8 4.35913 0.006409 7	0 2.361109		5.68736 4.35913
fat-46 4.36322 0.008734 8	4.36322 0.479206 8 1 0	5.72007 0.006373 8 0 1.841042	0 0.743044	5.82649 0.006613	7 0 2.141159 0 0.93783	5.04962 0.004372 9 0 0.471	145 0 0.036691	4.85807 0.004424 8	0 0.244877	1 0	4.85807
fat-48 4.24405 0.004951 8 fat-50 4.0047 0.00668 8	4.24405 0.468922 8 1 0 4.0047 0.513328 8 1 0	4.56571 0.006649 7 0 0.103465 5.06566 0.009853 7 0 1.125636	0 0.01558	5.40108 0.008585 5.14827 0.010748	7 0 1.338718 0 0.92196 7 0 1.307752 0 0.26325	4.44089 0.006237 9 0 0.038 4.63519 0.007025 9 0 0.397		4.73375 0.004607 8 4.70476 0.005419 8			4.44089 4.63519
fat-52 3.91458 0.004951 8	3.91458 0.477414 8 1 0	5.48517 0.017594 10 0 2.466753	0 0.687125	5.03303 0.007417	7 0 1.307/52 0 0.26325 7 0 1.25093 0 0.14197	. 4.63519 0.007025 9 0 0.397 . 5.37411 0.00892 10 0 2.130		4.65624 0.008874 8	0 0.490084		4.65624
fat-54 3.71603 0.005065 8	3.71603 0.821417 8 1 0	4.92093 0.00984 8 0 1.451784	0 0.191686	4.82324 0.008475	7 0 1.225914 0 0.11568	4.9535 0.00574 10 0 1.531		4.48311 0.006497 8	0 0.588412		4.48311
fat-56 3.64631 0.00633 8 fat-58 3.47957 0.008503 8	3.64631 1.13478 8 1 0 3.47957 1.01824 8 1 0	5.04823 0.015256 8 0 1.96538 4.51611 0.009607 8 0 1.074415	0 0.371356 0 0.251452	4.72855 0.011 4.5528 0.023573	7 0 1.171243 0 0.08393. 7 0 1.151823 0 0.28959:	4.79182 0.004707 9 0 1.312 4.01466 0.009026 9 0 0.286		4.43884 0.010837 8 4.24703 0.014386 8	0 0.628104 0 0.588995		4.43884 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 0.06354	4.63674 0.00709 10 0 1.435	0 0.164057	4.2317 0.01052 8	0 0.628992	1 0	4.2317
fat-62 3.29606 0.006881 8 fat-64 3.25101 0.008793 8	3.29606 0.901946 8 1 0 3.25101 1.18003 8 1 0	3.63613 0.03263 9 0 0.115648 4.44695 0.014811 9 0 1.430272	1 0	4.33458 0.016094 4.26634 0.029044	7 0 1.078524 0 0.48783. 7 0 1.030895 0 0.13582.	9 0 0.273 9 0 0.273 9 1 0 0 0.418		4.10177 0.017197 8 4.03936 0.019135 8		0 0.216821	3.63613
fat-64 3.25101 0.008793 8 fat-66 3.12862 0.008308 8	3.25101 1.18003 8 1 0 3.12862 1.31223 8 1 0	4.44695 0.014811 9 0 1.430272 4.31572 0.044812 9 0 1.409206	0 0.301566	4.26634 0.029044 4.13902 0.018855	7 0 1.030895 0 0.13582. 7 0 1.020908 0 0.15538	9 3.8978 0.013279 10 0 0.418 3.74483 0.011722 9 0 0.379		4.03936 0.019135 8 3.92833 0.024757 8			3.8978 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 0.45948	3.58476 0.023932 9 0 0.243		3.87588 0.021294 8			3.40202
fat-70 2.98568 0.009423 8 fat-72 2.95512 0.010662 8	2.98568 1.38587 8 1 0 2.95512 1.46029 8 1 0	4.29922 0.033021 10 0 1.725387 4.42241 0.048445 9 0 2.15294	0 0.699013 0 0.99373	3.97034 0.038103 3.91838 0.029071	7 0 0.969555 0 0.25724 7 0 0.92787 0 0.24288	9 0 0.227 3.42555 0.018332 9 0 0.221		3.78014 0.011831 8 3.73544 0.032837 8			3.46315 3.42555
fat-74 2.86235 0.006587 8	2.86235 1.00054 8 1 0	4.15548 0.052373 10 0 1.672185	0 0.253281	3.82346 0.038938	7 0 0.923732 0 0.02932	4.05063 0.03461 10 0 1.412	009 0 0.158738	3.65221 0.036824 8	0 0.623879	1 0	3.65221
fat-76 2.83612 0.005271 8 fat-78 2.75444 0.012234 8	2.83612 1.05126 8 1 0 2.75444 1.63303 8 1 0	3.96825 0.046594 9 0 1.281718 3.00597 0.038323 9 0 0.063267	0 0.392364 0 0.020403	3.77653 0.056801 3.69381 0.045931	7 0 0.884371 0 0.18893 7 0 0.882416 0 0.69002	3.34186 0.018189 9 0 0.255 2.86313 0.01982 9 0 0.011		3.61291 0.039409 8 3.54009 0.021683 8	0 0.603403 0 0.617246		3.34186 2.86313
fat-78 2.75444 0.012234 8 fat-80 2.74041 0.008914 8	2.75444 1.63303 8 1 0 2.74041 1.44483 8 1 0	2.99195 0.052117 9 0 0.063272	1 0	3.65829 0.055204	7 0 0.882416 0 0.69002 7 0 0.842504 0 0.44400	2.86313 0.01982 9 0 0.011 3.18023 0.033125 9 0 0.193		3.54009 0.021683 8 3.50973 0.021798 8			2.86313
fat-82 2.6677 0.007615 8	2.6677 1.35698 8 1 0	2.83547 0.044776 8 0 0.028147	1 0	3.58559 0.050022	7 0 0.842522 0 0.5626			3.44555 0.060493 8			2.83547
fat-84 2.64765 0.011452 8 fat-86 2.58292 0.011189 8	2.64765 1.56132 8 1 0 2.58292 1.95026 8 1 0	4.00245 0.098707 9 0 1.835483 2.7424 0.083456 8 0 0.025434	0 0.868158 1 0	3.54777 0.062412 3.48376 0.090302	7 0 0.810216 0 0.22759 7 0 0.811513 0 0.54961			3.41203 0.032663 8 3.35542 0.066665 8		0 0.116506 0 0.375794	3.0707 2.7424
fat-88 2.56523 0.012025 8	2.56523 2.32422 8 1 0	2.72429 0.077955 8 0 0.0253	1 0	3.44958 0.047361	7 0 0.782075 0 0.52604	3.01037 0.04385 9 0 0.19	315 0 0.081842	3.32494 0.075197 8		0 0.36078	2.72429
fat-8 1.17647 0.003081 1 fat-90 2.50728 0.014688 8	1.17647 0.030131 1 1 0 2.50728 2.43152 8 1 0	1.88235 0 2 0 0.498267 2.71772 0.116205 9 0 0.044285	0 0.498267	1.17647 0 3.39294 0.076522	1 1 0 1 0 7 0 0.784394 0 0.45592	1.88235 0.001405 2 0 0.498 2.90341 0.046642 9 0 0.156		1.17647 0.002044 1 3.27477 0.080061 8	1 0 0 0.589041		1.17647 2.71772
fat-92 2.4916 0.014357 8	2.4916 2.0643 8 1 0	2.70971 0.052937 10 0 0.047572	1 0	3.36188 0.068687	7 0 0.757387 0 0.42532	2.87194 0.061545 9 0 0.144	559 0 0.026319	3.24692 0.075953 8	0 0.570508	0 0.288595	2.70971
fat-94 2.43948 0.010579 8	2.43948 1.97837 8 1 0	2.69067 0.160198 10 0 0.063096	1 0	3.31152 0.109727	7 0 0.760454 0 0.38545	2.81015 0.080028 9 0 0.137	96 0 0.014275	3.20226 0.091876 8	0 0.581833	0 0.261724	2.69067
fat-96 2.4255 0.014871 8 fat-98 2.3784 0.015763 8	2.4255 2.89135 8 1 0 2.3784 2.54281 8 1 0	2.52709 0.120525 8 0 0.010321 3.58807 0.200561 11 0 1.463302	1 0 0 0.203672	3.28316 0.123152 3.23819 0.136155	7 0 0.735581 0 0.57164 7 0 0.739239 0 0.01028	2.88559 0.077922 9 0 0.211 3.42523 0.089196 10 0 1.095		3.17669 0.047411 8 3.13677 0.081272 8	0 0.564286 0 0.575125		2.52709 3.13677
2.62234 0.020248 7.319588	2.62234 8.169793 7.319588 97 0	3.388822 0.347204 7.814433 0 75.4443	23 26.54202	3.516947 0.321459 6.60824	7 2 99.36095 28 53.4302	3.338853 0.348449 8.907216 4 61.8	503 25 17.34048	3.315772 0.330302 6.814433	6 54.34996 2	25 13.83777	
		8.685868 0.089545	5.151895 0.053112		9.967996 7.30959 0.102763 0.07535	7.865 7.865			7.372242 0.076002	3.719915 0.03835	
		0.00343			0.07333	0.001					

FAT Weight type W1

	CPLEX	CP	GREEDY-1			GREEDY-2		GREEDY-1+CPLEX		GREE	DY-2+CPLEX		MinH
instance obj fat-100	t[s] #guards 7 0.012345	obj t[s] #guards #hitsOpt sdOpt 7 7 0.247156 7 1 0	obj t[s] #guards #hit 7 0.132426 7	Opt sdOpt #hitsMinH so	MinH obj t	t[s] #guards #hitsOpt sdOpt 0.148147 7 1	#hitsMinH sdMinH	obj t[s] #guard: 7 0.114385	s #hitsOpt sdOpt #hitsMinH s	dMinH obj t		dOpt #hitsMir	inH sdMinH obj
fat-102	7 0.016126	7 7 0.219943 7 1 0	7 0.150284 7	1 0 1	0 7	0.152892 7 1	0 1 0	7 0.139082	7 1 0 1	0 7 0	0.109396 7 1	0	1 0 7
fat-104 fat-106	7 0.006971 7 0.016359	7 7 0.274268 7 1 0 7 7 0.205394 7 1 0	7 0.138002 7 7 0.126959 7	1 0 1		0.162589 7 1 0.164673 7 1	0 1 0	7 0.131132 7 0.074736	7 1 0 1		0.058486 7 1 0.141878 7 1		1 0 7 1 0 7
fat-108	7 0.017655	7 7 0.242549 7 1 0	7 0.189419 7	1 0 1		0.172381 7 1	0 1 0	7 0.117646	7 1 0 1	0 20 0	0.166418 7 0		0 169 7
fat-10 fat-110	1 0.00157 7 0.018543	1 1 0.015015 1 1 0 7 7 0.328471 7 1 0	1 0 1 7 0.201055 7	1 0 1	0 1	0 1 1 0.183058 7 1	0 1 0	1 0.002548 7 0.176267	1 1 0 1		0.002544 1 1 0.080586 7 1	0	1 0 1
fat-112	7 0.018888	7 7 0.631035 7 1 0	7 0.213005 7	1 0 1	0 7	0.208495 7 1	0 1 0	7 0.184486	7 1 0 1	0 7 (0.186386 7 1	0	1 0 7
fat-114 fat-116	7 0.019726 7 0.018149	7 7 0.40192 7 1 0 7 7 0.270444 7 1 0	7 0.22806 7 7 0.237468 7	1 0 1	0 7	0.224767 7 1 0.208416 7 1	0 1 0	7 0.195879 7 0.183176	7 1 0 1 7 1 0 1	0 7	0.18628 7 1 0.214 7 1	0	1 0 7
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	0.224694 7 1	0	1 0 7
fat-120 fat-122	7 0.021291 7 0.018731	7 7 0.328907 7 1 0 7 7 0.516222 7 1 0	7 0.244011 7 7 0.270077 7	1 0 1		0.255445 7 1 0.099058 7 1	0 1 0	7 0.174302 7 0.266021	7 1 0 1		0.193192 7 0 0.273568 7 1	210.25	0 210.25 7
fat-124	7 0.022817	7 7 0.334496 7 1 0	7 0.298085 7	1 0 1		0.294573 7 1	0 1 0	7 0.107133	7 1 0 1		0.275736 7 1	0	1 0 7
fat-126 fat-128	7 0.016099 7 0.022594	7 7 0.372243 7 1 0 7 7 0.466284 7 1 0	7 0.287658 7 7 0.308462 7	1 0 1		0.311777 7 1 0.184023 7 1	0 1 0	7 0.311786 7 0.259109	7 1 0 1		0.293403 7 1 0.337799 7 1	0	1 0 7
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	0.001504 2 1	0	1 0 2
fat-130 fat-132	7 0.025218 7 0.025835	7 7 0.340895 7 1 0 7 7 0.378652 7 1 0	7 0.34664 7 7 0.362598 7	1 0 1		0.342485 7 1 0.362196 7 1	0 1 0	7 0.188759 7 0.198584	7 1 0 1		0.349246 7 1 0.372081 7 1	0	1 0 7
fat-134	7 0.026535	7 7 0.398795 7 1 0	7 0.381372 7	1 0 1	0 7	0.218463 7 1	0 1 0	7 0.321391	7 1 0 1	0 7 0	0.140009 7 1	0	1 0 7
fat-136 fat-138	7 0.02817 7 0.01138	7 7 0.8763 7 1 0 7 7 0.501266 7 1 0	7 0.398222 7 7 0.416015 7	1 0 1	0 7	0.372221 7 1 0.418336 7 1	0 1 0	7 0.283555 7 0.422847	7 1 0 1 7 1 0 1	0 7	0.30723 7 1 0.327043 7 1	0	1 0 7
fat-140	7 0.029866	7 7 0.430275 7 1 0	7 0.431828 7	1 0 1		0.431619 7 1	0 1 0	7 0.226229	7 1 0 1		0.455838 7 1	0	1 0 7
fat-142 fat-144	7 0.030798 7 0.031423	7 7 0.478353 7 1 0 7 7 0.442252 7 1 0	7 0.401334 7 7 0.171221 7	1 0 1		0.457322 7 1 0.479532 7 1	0 1 0	7 0.282565 7 0.475484	7 1 0 1		0.469373 7 1 0.490729 7 1	0	1 0 7
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	0.515995 7 1	0	1 0 7
fat-148 fat-14	7 0.033506 2 0.00752	7 7 0.440014 7 1 0 2 2 0.03059 2 1 0	7 0.535107 7 2 0.000174 2	1 0 1		0.525127 7 1 0.000164 2 1	0 1 0	7 0.538409 2 0.002192	7 1 0 1		0.547146 7 1 0.001355 2 1	0	1 0 7
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	0.560819 7 1	0	1 0 7
fat-152 fat-154	7 0.035227 7 0.036978	7 7 0.569072 7 1 0 7 7 0.495204 7 1 0	7 0.548983 7 7 0.47086 7	1 0 1	0 7	0.573935 7 1 0.604864 7 1	0 1 0	7 0.561184 7 0.612554	7 1 0 1	0 7 0	0.573546 7 1 0.616579 7 1	0	1 0 7
fat-156	7 0.034963	7 7 0.47481 7 1 0	7 0.627581 7	1 0 1	0 7	0.445867 7 1	0 1 0	7 0.639002	7 1 0 1	0 7 (0.627945 7 1	0	1 0 7
fat-158 fat-160	7 0.036664	7 7 0.6097 7 1 0 7 7 0.968956 7 1 0	7 0.650623 7 7 0.344815 7	1 0 1		0.620589 7 1 0.682587 7 1	0 1 0	7 0.686658 7 0.701394	7 1 0 1		0.667572 7 1 0.698845 7 1	0	1 0 7
fat-162	7 0.039103	7 7 0.65257 7 1 0	7 0.391086 7	1 0 1		0.720214 7 1	0 1 0	7 0.752108	7 1 0 1		0.752809 7 1	0	1 0 7
fat-164 fat-166	7 0.04197 7 0.035087	7 7 0.640702 7 1 0 7 7 0.762793 7 1 0	7 0.372619 7 7 0.438697 7	1 0 1		0.751407 7 1 0.78192 7 1	0 1 0	7 0.753844 7 0.301888	7 1 0 1		0.776092 7 1 0.721776 7 1	0	1 0 7
fat-168	7 0.016831	7 7 0.534152 7 1 0	7 0.307396 7	1 0 1	0 7	0.822776 7 1	0 1 0	7 0.818055	7 1 0 1	0 27.5 (0.316974 7 0	420.25	0 420.25 7
fat-16 fat-170	2 0.00359 7 0.045988	2 2 0.053112 2 1 0 7 0.624492 7 1 0	2 0.000104 2 7 0.845769 7	1 0 1	0 2	0.000235 2 1 0.857554 7 1	0 1 0	2 0.001986 7 0.872317	2 1 0 1	0 2 (0.002439 2 1 0.871258 7 1	0	1 0 2
fat-170	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 7
fat-174	7 0.049099	7 7 0.648868 7 1 0	7 0.942488 7	1 0 1	0 7	0.507151 7 1 0.507704 7 1	0 1 0	7 0.95059	7 1 0 1		0.516467 7 1	0	1 0 7
fat-176 fat-178	7 0.050032 7 0.051209	7 7 0.588004 7 1 0 7 7 0.779351 7 1 0	7 0.953718 7 7 0.998317 7	1 0 1		0.507/04 7 1 0.481156 7 1	0 1 0	7 0.541202 7 1.08176	7 1 0 1	0 7	0.979131 7 1 1.04927 7 1	0	1 0 7
fat-180 fat-182	7 0.036859 7 0.037875	7 7 0.878199 7 1 0 7 7 0.728622 7 1 0	7 1.03832 7 7 1.0184 7	1 0 1		0.505488 7 1 0.567707 7 1	0 1 0	7 1.05822 7 1.107	7 1 0 1		1.06576 7 1 0.959735 7 1	0	1 0 7
fat-182 fat-184	7 0.037875	7 7 0.728622 7 1 0 7 7 0.769529 7 1 0	7 1.0184 7 7 1.12376 7	1 0 1		0.567/07 7 1 0.431713 7 1	0 1 0	7 1.107 7 1.14364	7 1 0 1		1.15987 7 1	0	1 0 7
fat-186	7 0.033066	7 7 0.782996 7 1 0	7 0.621886 7	1 0 1		1.15079 7 1	0 1 0	7 1.17522	7 1 0 1		0.645212 7 1	0	1 0 7
fat-188 fat-18	7 0.058385 2 0.00382	7 7 0.738842 7 1 0 2 2 0.034273 2 1 0	7 1.19751 7 2 0.000151 2	1 0 0 8		1.19112 7 1 0.000151 2 1	0 0 8.465074 0 1 0	7 1.13839 2 0.001821	7 1 0 0	3.465074 4.09052 0 2.0	1.38023 8 0 0.002559 2 1	8.465074	1 0 4.09052 1 0 2
fat-190	7 0.060523	7 7 0.792715 7 1 0	7 1.23262 7	1 0 1	0 7	1.23993 7 1	0 1 0	7 1.21094	7 1 0 1	0 7	1.2682 7 1	0	1 0 7
fat-192 fat-194	7 0.062311 7 0.064047	7 7 0.828779 7 1 0 7 7 0.779521 7 1 0	7 1.20627 7 7 1.32077 7	1 0 1	0 7	1.27723 7 1 1.32129 7 1	0 1 0	7 1.31444 7 0.532765	7 1 0 1	0 7	0.66485 7 1 0.734666 7 1	0	1 0 7
fat-196	7 0.065262	7 7 0.834036 7 1 0	7 1.38385 7	1 0 1	0 7	1.38098 7 1	0 1 0	7 1.39561	7 1 0 1	0 7	1.2913 7 1	0	1 0 7
fat-198 fat-200	7 0.067638 32.5 0.075477	7 7 1.03428 7 1 0 8 32.5 0.96774 8 1 0	7 1.30447 7 32.5 0.635826 8	1 0 1		1.41458 7 1 1.62747 8 1	0 1 0	7 1.47306 32.5 1.49001	7 1 0 1 8 1 0 1	0 7	1.03916 7 1 1.6965 8 1	0	1 0 7
fat-20	5 0.004443	3 5 0.027494 3 1 0	5 0.000497 3	1 0 1		0.00025 3 1	0 1 0	5 0.001921	3 1 0 1		0.002965 3 1	0	1 0 5
fat-22 fat-24	3 0.004553 3 0.001256	3 3 0.049452 3 1 0 3 3 0.035201 3 1 0	3 0.000594 3 4 0.000878 4	1 0 1		0.000372 3 1 0.000882 4 0	0 1 0	3 0.002806 3 0.002147	3 1 0 1		0.003174 3 1 0.001572 3 1	0	1 0 3
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 3
fat-28 fat-30	4 0.001873 4 0.002859	4 4 0.036929 4 1 0 4 4 0.037424 4 1 0	4 0.000596 4 4 0.00067 4	1 0 1	0 4	0.000594 4 1 0.000862 4 1	0 1 0	4 0.003156 4 0.002433	4 1 0 1	0 4	0.00231 4 1 0.002193 4 1	0	1 0 4
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	0.003423 5 1	0	1 0 5
fat-34 fat-36	9 0.001945 10 0.001523	9 9 0.058238 9 1 0 0 10 0.095749 10 1 0	9 0.003664 9 10 0.005131 10	1 0 1		0.003683 9 1 0.002825 10 1	0 1 0	9 0.003492 10 0.003377	9 1 0 1		0.003147 9 1 0.002198 10 1	0	1 0 9
fat-38	6 0.002596	6 6 0.243121 6 1 0	7 0.002934 7	0 1 0	1 7	0.004519 7 0	1 0 1	6 0.004173	6 1 0 1	0 6 0	0.003341 6 1	0	1 0 6
fat-40 fat-42	6 0.001846	6 6 0.054369 6 1 0 6 0.05956 6 1 0	7 0.003037 7 7 0.00364 7	0 1 0		0.005444 7 0 0.004717 7 0	1 0 1	6 0.003883 7 0.004182	6 1 0 1		0.002381 6 1	0	1 0 6
fat-44	6 0.002458	6 6 0.02726 6 1 0	7 0.007614 7	0 1 0	1 7	0.005537 7 0	1 0 1	6 0.006181	6 1 0 1	0 6 0	0.003494 6 1	0	1 0 6
fat-46 fat-48	7 0.007423 7 0.005818	7 7 0.104261 7 1 0 7 7 0.087236 7 1 0	7 0.008172 7 7 0.007632 7	1 0 1		0.006327 7 1 0.01143 7 1	0 1 0 0 1 0	7 0.004265 7 0.004871	7 1 0 1 7 1 0 1		0.004441 7 1 0.004854 7 1	0	1 0 7
fat-50	7 0.007475	7 7 0.088931 7 1 0	7 0.01078 7	1 0 1	0 7	0.007546 7 1	0 1 0	7 0.007948	7 1 0 1	0 7 0	0.007286 7 1	0	1 0 7
fat-52 fat-54	7 0.007069 7 0.008045	7 7 0.112187 7 1 0 7 7 0.116659 7 1 0	7 0.013172 7 7 0.006822 7	1 0 1	0 7	0.014612 7 1 0.012476 7 1	0 1 0	7 0.00919 7 0.00503	7 1 0 1 7 1 0 1	0 7 0	0.005551 7 1 0.006523 7 1	0	1 0 7
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 7
fat-58 fat-60	7 0.005582 7 0.0075	7 7 0.170908 7 1 0 7 7 0.156688 7 1 0	7 0.015304 7 7 0.015443 7	1 0 1		0.008703 7 1 0.013667 7 1	0 1 0	7 0.012527 7 0.011203	/ 1 0 1 7 1 0 1		0.010103 7 1 0.009398 7 1	0	1 0 7 1 0 7
fat-62	7 0.006028	7 7 0.123734 7 1 0	7 0.024716 7	1 0 1		0.017633 7 1	0 1 0	7 0.018797	7 1 0 1		0.012542 7 1	0	1 0 7
fat-64 fat-66	7 0.00951 7 0.008191	7 7 0.158949 7 1 0 7 7 0.125975 7 1 0	7 0.026734 7 7 0.01884 7	1 0 1		0.026702 7 1 0.018819 7 1	0 1 0	7 0.023232 7 0.024346	7 1 0 1 7 1 0 1		0.021854 7 1 0.020912 7 1	0	1 0 7
fat-68	7 0.005882	7 7 0.193716 7 1 0	7 0.029973 7	1 0 1	0 7	0.040508 7 1	0 1 0	7 0.024406	7 1 0 1	0 7 0	0.014608 7 1	0	1 0 7
fat-70 fat-72	7 0.011083 7 0.005077	7 7 0.136827 7 1 0 7 7 0.174447 7 1 0	7 0.031842 7 7 0.042508 7	1 0 1		0.045097 7 1 0.049064 7 1	0 1 0	7 0.015802 7 0.012125	7 1 0 1 7 1 0 1		0.01188 7 1 0.022534 7 1	0	1 0 7
fat-74	7 0.006982	7 7 0.102483 7 1 0	7 0.04611 7	1 0 1	0 7	0.039661 7 1	0 1 0	7 0.034785	7 1 0 1	0 7 (0.034734 7 1	0	1 0 7
fat-76 fat-78	7 0.006751 7 0.012434	7 7 0.200527 7 1 0 7 7 0.213163 7 1 0	7 0.052732 7 7 0.031816 7	1 0 1		0.049026 7 1 0.032029 7 1	0 1 0	7 0.03115 7 0.04185	7 1 0 1	0 7 (0.039672 7 1 0.039364 7 1	0	1 0 7
fat-80	7 0.012689	7 7 0.194138 7 1 0	7 0.025499 7	1 0 1	0 7	0.06489 7 1	0 1 0	7 0.034581	7 1 0 1	0 7 0	0.046177 7 1	0	1 0 7
fat-82 fat-84	7 0.007625 7 0.012994	7 7 0.36491 7 1 0 7 7 0.208031 7 1 0	7 0.054699 7 7 0.070675 7	1 0 1		0.027789 7 1 0.082494 7 1	0 1 0	7 0.040698 7 0.064926	7 1 0 1		0.056293 7 1 0.065613 7 1	0	1 0 7
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	0.067503 7 1	0	1 0 7
fat-88 fat-8	7 0.014201 1 0.00126	7 7 0.226922 7 1 0 1 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 1 0.000961	7 1 0 1		0.05048 7 1 0.001261 1 1	0	1 0 7
fat-90	7 0.00977	7 7 0.219287 7 1 0	1 0 1 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	0.080477 7 0		0 121 7
fat-92	7 0.014752 7 0.015652	7 7 0.237214 7 1 0 7 7 0.234246 7 1 0	7 0.10945 7 7 0.116081 7	1 0 1	0 7	0.100498 7 1 0.093895 7 1	0 1 0	7 0.088099 7 0.086318	7 1 0 1	0 18 (0.086376 7 0 0.093144 7 1	121	0 121 7
fat-94 fat-96	7 0.015668	7 7 0.244568 7 1 0	7 0.128398 7	1 0 1	0 7	0.118464 7 1	0 1 0	7 0.098485	7 1 0 1	0 7 0	0.091999 7 1	0	1 0 7
fat-98	7 0.013534 .6495 0.021061 6.4432	7 7 0.421193 7 1 0 9 6.716495 0.358914 6.443299 97 0	7 0.135754 7 6.768041 0.307188 6.494845	1 0 1 92 5 92 1		0.137042 7 1 0.309538 6.494845 92	0 1 0 5 92 12.46507	7 0.107015 6.726804 0.318971 6.4536	7 1 0 1 08 96 1 96	0 7 (0.099334 7 1	0 1050.965 9	1 0 7 92 1041.5
0.72	0.021001 0.4432		0.30/100 0.434043	2.236068 3	530591	2.23600	58 3.530591	0.710004 0.310371 0.4330	1	2.90948	0.403310 90	32.41859	32.27228