

Table of Results

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problem	MCV	MCVrev	MCW	MCWrev	MCX	MCXrev	MCY	MCYrev	MCZ
brock200-1	446 173 6	459 176 6	2766 864 33	3303 960 37	2010 974 29	2985 993 30	486 181 5	524 190 5	491 183 5
brock200-2	3 0 0	4 0 0	16 2 0	18 2 0	9 1 0	11 2 0	3 0 0	3 0 0	3 0 0
brock200-3	14 4 0	14 4 0	84 16 0	96 17 0	88 17 0	56 14 0	14 4 0	14 4 0	14 4 0
brock200-4	53 15 0	48 15 0	189 47 2	222 52 2	199 52 1	177 49 1	62 17 0	58 16 0	56 16 0
brock400-1	168927 107740 3581	169106 108152 3565	875915 413870 14400	822866 423419 14400	918348 496647 14400	990478 495599 14400	198696 120597 3373	198359 120785 3337	192406 118155 3571
brock400-2	169850 99831 3384	179119 104686 3485	608340 339069 11396	863374 411640 14400	959720 491972 14400	372306 279087 7552	135453 83924 2308	145597 89156 2462	136235 85384 2599
brock400-3	114873 65872 2211	111515 64625 2154	785536 376310 13329	966560 399859 14400	252667 170493 4723	751785 368221 10741	123096 68483 1931	120230 67436 1938	113327 64866 1907
brock800-4	93473 57265 1908	105128 63637 2113	949285 406273 14400	781082 364048 12638	1037352 483248 14400	810135 429291 12361	37830 25742 701	54440 34637 965	50173 33016 1019
brock800-1	860647 384191 14400	853082 378308 14400	1103282 358308 14400	1208938 352491 14400	1337306 433783 14400	1453531 437131 14400	980592 465131 14400	975985 465228 14400	903771 431059 14400
brock800-2	869402 380283 14400	890339 388531 14400	1109598 361041 14400	1133637 347283 14400	1310327 439017 14400	1319960 440733 14400	1076236 463621 14400	1092864 456403 14400	901128 377626 14400
brock800-3	872665 384135 14400	854712 380683 14400	1157172 328000 14400	1115336 349930 14400	1228500 419065 14400	1388134 412922 14400	1074263 458107 14400	1089760 469195 14400	940979 408513 14400
brock800-4	556318 417927 14400	546766 428746 14400	986028 320374 14400	1219067 334988 14400	1178220 357032 14400	1403922 405951 14400	667947 494778 14400	640444 491179 14266	555963 422569 14400
c-fat200-1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
c-fat200-2	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
c-fat200-5	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
c-fat500-10	0 0 0	0 0 0	0 0 0	0 1 0	0 0 0	0 1 0	0 0 0	0 0 0	0 0 0
c-fat500-1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
c-fat500-2	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
c-fat500-5	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
hamming10-2	0 29 0	0 29 0	0 53 1	64 2009 72	0 53 2	64 1987 64	0 29 0	0 29 0	0 29 1
hamming10-4	621929 450602 14400	520064 484863 14400	1482635 347248 14400	923735 394838 14400	1775750 421027 14400	1091604 473367 14400	525339 586775 14400	754391 554204 14400	679844 522189 14400
hamming6-2	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
hamming6-4	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
hamming8-2	0 0 0	0 0 0	296 66 3	3 6 0	277 65 3	285 66 3	36 20 0	36 20 0	36 19 0
hamming8-4	21 13 0	21 13 0	1517 72 3	304 66 2	1330 56 3	1330 56 3	256 14 1	256 14 1	256 14 1
johnson16-2-4	227 12 0	227 12 1	1517 72 3	1517 72 3	1330 56 3	1330 56 3	36 20 0	36 20 0	36 19 0
johnson32-2-4	4853628 271668 14400	5272811 294907 14400	5467828 288637 14400	5557535 293141 14400	7273785 344373 14400	7125693 336881 14400	6845531 424040 14400	7206847 446188 14400	6877370 425912 14400
johnson8-2-4	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
johnson8-4-4	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
keller5	11 2 0	11 2 0	122 18 1	139 19 1	120 19 0	143 21 1	13 3 0	13 3 0	13 3 0
keller6	375252 450433 14400	358409 431650 14400	547391 443266 14400	1126042 394012 14400	873790 500199 14400	1489732 474625 14400	484017 533304 14400	466394 513749 14400	488841 537402 14400
MANN-a27	283850 448139 14400	253393 430918 14400	295882 497167 14400	476231 430225 14400	1862210 454676 14401	1318071 430005 14400	203202 487923 14400	153037 454430 14400	307884 512882 14400
MANN-a45	38 655 20	38 655 17	3028219 207541 14400	1136092 325482 14400	4654629 321064 14400	1510827 430875 14400	38 656 19	38 655 17	38 655 19
MANN-a81	2853 402330 10334	2852 402330 9475	1805340 269303 14400	750979 447813 14400	2354425 351072 14400	908695 541854 14400	2853 402347 9055	2852 402334 9396	2852 402322 8098
MANN-a9	268 393444 14400	262 384903 14400	1461653 270379 14403	345225 608070 14402	1597108 295364 14403	336874 593381 14403	283 415793 14400	260 382073 14400	305 449423 14400
	0 0 0	0 0 0	10 0 0	10 0 0	10 0 0	10 0 0	0 0 0	0 0 0	0 0 0

Table 1. Results

problem	MCV	MCVrev	MCW	MCWrev	MCX	MCXrev	MCY	MCYrev	MCZ
p-hat1000-1	177 47 3	45202 102404 4074	613 107 4	426756 464338 14400	623 118 4	531074 568972 14400	176 44 1	176 44 1	175 44 1
p-hat1000-2	43507 99218 4302	189957 497599 14400	470317 478702 14400	378205 481374 14400	548888 514504 14400	647 120 4	34474 74453 1989	32684 71762 1858	
p-hat1000-3	175578 464386 14400	1034 371 14	403388 489817 14400	378205 481374 14400	435332 586669 14400	454674 55203 14400	225600 575625 14400	226266 588809 14400	
p-hat1500-1	1040 371 14	1034 371 14	3836 915 37	3901 921 37	4057 1021 33	4071 1022 35	1191 377 14	1184 376 13	1180 376 12
p-hat1500-2	147883 468611 14400	146241 475639 14400	325037 543902 14400	357043 491954 14400	360424 596122 14400	386272 55237 14400	161684 508895 14400	151625 522051 14400	153319 541726 14400
p-hat1500-3	145918 563648 14400	138467 542295 14400	292286 566239 14400	370384 530531 14400	483395 63235 14400	431222 580096 14400	140016 586146 14400	141337 593025 14400	142433 607631 14400
p-hat300-1	1 0 0	1 0 0	4 0 0	4 0 0	4 0 0	4 0 0	1 0 0	1 0 0	1 0 0
p-hat300-2	3 2 0	3 3 0	228 111 4	303 132 5	295 151 4	450 195 5	3 2 0	4 3 0	4 2 0
p-hat300-3	635 808 23	684 852 29	37363 33947 1048	43033 38622 1203	124237 114220 2952	152804 136950 3497	614 682 16	624 692 17	580 658 16
p-hat500-1	9 2 0	111 155 5	35 5 0	36 5 0	34 5 0	36 5 0	9 2 0	9 2 0	9 2 0
p-hat500-2	97 140 4	83083 203345 5951	8117 8409 257	9622 9424 291	8125 9152 250	8237 9146 241	115 147 4	114 146 4	108 141 3
p-hat500-3	91883 220287 6809	1545 2995 124	416248 495790 14400	458543 479507 14400	436048 610202 14400	436035 596813 14400	39102 84726 2391	39260 85216 2239	36758 81292 1892
p-hat700-1	28 8 0	28 8 0	77 17 0	83 17 0	79 18 0	84 18 0	26 7 0	26 7 0	26 7 0
p-hat700-2	1497 2913 82	1545 2995 124	336628 483789 14400	399580 487831 14400	392340 589681 14400	402241 571549 14400	727 1415 35	750 1455 37	718 1416 37
p-hat700-3	148270 531216 14400	153916 529515 14400	335830 528412 14400	337604 493848 14400	390701 633308 14400	462666 596378 14400	144331 818610 14400	167391 596721 14400	170001 615092 14400
san1000	18 10 0	16 10 0	1682 12741 155	1032 8847 117	1731 13191 167	1004 8674 112	106 679 16	150 970 23	148 958 13
san200-0.7-1	7 3 0	7 3 0	80 29 1	20 11 0	13 4 0	11 6 0	16 8 0	13 6 0	13 7 0
san200-0.7-2	0 0 0	0 0 0	95 55 1	11 7 0	38 25 0	7 3 0	0 0 0	0 0 0	0 0 0
san200-0.9-1	65 68 2	65 68 1	14909 5402 189	1053 1030 31	3945 3009 71	40 102 2	79 66 1	87 64 2	66 69 1
san200-0.9-2	822 933 26	727 819 22	155482 77484 2568	37379 30962 905	899 968 21	45 149 3	68 709 15	229 326 6	782 875 19
san200-0.9-3	5049 5468 155	5049 5469 150	704370 464054 14400	784499 454300 14400	390686 361491 8222	791007 601835 14400	6710 6900 152	6815 6998 197	4961 5364 126
san400-0.5-1	1 1 0	1 2 0	74 113 2	2 3 0	33 50 0	35 57 0	1 2 0	2 3 0	2 3 0
san400-0.7-1	97 142 4	94 139 4	1251 1419 48	2607 2745 93	918 877 26	153 252 6	136 114 3	119 109 5	112 103 3
san400-0.7-2	388 422 14	469 429 15	2554 2961 100	2624 2945 99	1600 1665 49	619 779 21	889 875 37	799 812 23	799 812 23
san400-0.7-3	292 179 6	201 133 4	3881 2528 87	10630 6234 221	1571 1928 48	3918 4782 116	521 486 13	472 452 12	472 452 12
san400-0.9-1	2745 21335 485	3351 25929 592	828548 423219 14400	728937 443187 14400	781184 602550 14400	600875 644521 14400	3597 27282 701	4536 34210 679	3574 27643 576
sanr200-0.7	137 45 1	143 46 1	680 175 7	672 174 7	662 185 5	681 187 6	146 46 2	152 47 2	146 46 1
sanr200-0.9	12445 16513 435	13018 17174 455	483060 499225 14400	551258 483131 14400	555615 609246 14400	692476 574241 14400	14195 18455 385	14921 19285 486	13656 17941 402
sanr400-0.5	296 69 3	298 69 3	694 132 5	792 140 6	843 152 5	875 155 5	325 71 3	320 70 4	315 70 2
sanr400-0.7	60644 26135 971	60654 26137 954	396754 127148 4979	390478 125999 4827	396653 134074 4392	395101 133792 4361	64402 26698 866	64412 26700 834	61471 25941 824

Table 2. Results