

P-DISPERSION

Pdispersion	CPMpy (seconds)	Choco-JAVA (seconds)
Grid=5 Facilities=5	2.404	0.087
Grid=5 Facilities=6	4.270	0.577
Grid=5 Facilities=7	29.497	4.789
Grid=5 Facilities=8	33.421	6.013
Grid=5 Facilities=9	43.008	6.841
Grid=5 Facilities=10	44.506	6.879

MiniZinc Solvers			
Pdispersion	OR-Tools CP-SAT	Gecode 6.3.0*	Chuffed 0.13.2
Grid=5 Facilities=5	3s 740msec	81msec	98msec
Grid=5 Facilities=6	4s 726msec	99msec	224msec
Grid=5 Facilities=7	7s 937msec	380msec	2s 19msec
Grid=5 Facilities=8	9s 200msec	588msec	2s 348msec
Grid=5 Facilities=9	11s 101msec	713msec	2s 961msec
Grid=5 Facilities=10	11s 882msec	808msec	4s 332msec

P-DISPERSION-DISTANCE

PdispersionDistance	CPMpy (seconds)	Choco-JAVA (seconds)
Grid=5 Facilities=5	0.220	0.227
Grid=5 Facilities=6	0.295	0.684
Grid=5 Facilities=7	6.010	2.086
Grid=5 Facilities=8	3.555	1.635
Grid=5 Facilities=9	2.258 N-S	3.330 N-S
Grid=5 Facilities=10	3.753 N-S	5.735 N-S

MiniZinc Solvers			
Pdispersion	OR-Tools CP-SAT	Gecode 6.3.0*	Chuffed 0.13.2
Grid=5 Facilities=5	2s 619msec	82msec	85msec
Grid=5 Facilities=6	3s 237	81msec	93msec
Grid=5 Facilities=7	4s 803msec	124msec	423msec
Grid=5 Facilities=8	4s 356msec	235msec	236msec
Grid=5 Facilities=9	3s 780msec N-S	127msec N-S	1s 66msec N-S
Grid=5 Facilities=10	1s 858msec N-S	150msec N-S	1s 495msec N-S