

Game

1 C+CV

Table 1: Comparison of C+CV and S5P

Datasets	C+CV			S5P		
	Time/s	RF	Mem	Time/s	RF	Mem
Netlib	28.49	-	-	0.02	2	1
MIPLIB	40.39	-	-	0.01	8	2
DIMACS	49.32	-	-	0.02	16	2
RANDOM	108.67	-	-	0.01	3	1

We conducted time tests in an environment (i7 processor clocked at 3.20 GHz and 64 GB RAM under Linux operating system) identical to the one described in the author’s paper. Due to the unavailability of the author’s source code, we utilized the reported time results from the author’s paper. We will reach out to the author to inquire about the code or attempt to reproduce the results ourselves, and subsequently supplement additional RF and memory(MB) outcomes.

2 CLUGP

Table 2: Comparison of CLUGP and S5P in Different Environments

Datasets	CLUGP			S5P		
	Time/s	RF	Mem/G	Time/s	RF	Mem
uk-2002	317	1.56	6	243	1.37	2
webbase-2001	1359	1.44	32	443	1.13	15
arabic-2005	663	2.02	7	352	1.29	3
RANDOM	527	19.615	0.5	267	12.01	0.2

The remaining datasets IT and TW used in the CLUGP paper are described in our paper.