

PythonA1		
n	PC1	PC2
5000	334	607
10000	1427	2492
20000	5749	14664
40000	23485	47920
80000	93311	170841

	PC1	PC2
Procesador	12th Gen Intel(R) Core(TM) i5-12400 (2.50 GHz)	AMD Ryzen 7 5800H with Radeon Graphics (3.20 GHz)
Memoria	16 GB RAM	16 GB RAM

	PythonA1	PythonA2	PythonA3	PythonA4
n	t(ms)	t(ms)	t(ms)	t(ms)
5000	607	70	31	1
10000	2492	262	135	1
20000	14664	959	492	4
40000	47920	3815	1889	8
80000	170841	14773	7847	12

JavaA1		JavaA2		JavaA3		JavaA4		
	Sin optimizar	Optimizado						
n	t(ms)	t(ms)	t(ms)	t(ms)	t(ms)	t(ms)	t(ms)	t(ms)
5000	129	40	33	19	26	16	15	20
10000	441	77	65	11	34	5	5	2
20000	1727	312	220	32	128	16	8	4
40000	6921	1242	807	121	492	62	16	3
80000	30501	5054	3206	444	1852	228	30	3