RESULTADOS EJERCICIOS MPI - CLUSTER ARENAL David Vargas - B16844

E1		WTime			Aceleración			Eficiencia	
р	cv = 1,000	cv = 10,000	cv = 100,000	cv = 1,000	cv = 10,000	cv = 100,000	cv = 1,000	cv = 10,000	cv = 100,000
1	0.0003	0.0024	0.0215	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2	0.0002	0.0012	0.0118	1.5621	1.9279	1.8189	0.7811	0.9640	0.9095
4	0.0002	0.0007	0.0051	1.5086	3.5913	4.1879	0.3771	0.8978	1.0470
8	0.0002	0.0004	0.0030	1.7255	5.7098	7.1257	0.2157	0.7137	0.8907
E2		WTime			Aceleración			Eficiencia	
р	cv = 1,000	cv = 10,000	cv = 100,000	cv = 1,000	cv = 10,000	cv = 100,000	cv = 1,000	cv = 10,000	cv = 100,000
1	0.0002	0.0016	0.0154	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2	0.0001	0.0008	0.0077	1.8316	1.9457	1.9885	0.9158	0.9728	0.9943
4	0.0001	0.0005	0.0039	1.9551	3.5022	3.9429	0.4888	0.8756	0.9857
8	0.0008	0.0013	0.0026	0.2161	1.2370	5.8813	0.0270	0.1546	0.7352
E3		WTime			Aceleración			Eficiencia	
p	cv = 1,000	cv = 10,000	cv = 100,000	cv = 1,000	cv = 10,000	cv = 100,000	cv = 1,000	cv = 10,000	cv = 100,000
р 1	0.0414	cv = 10,000 19.5774	inf	1.0000	cv = 10,000 1.0000	n/a	1.0000	cv = 10,000 1.0000	n/a
p 1 2	0.0414 0.0285	cv = 10,000 19.5774 14.5600	inf inf	1.0000 1.4512	cv = 10,000 1.0000 1.3446	n/a n/a	1.0000 0.7256	cv = 10,000 1.0000 0.6723	n/a n/a
p 1 2 4	0.0414 0.0285 0.0186	cv = 10,000 19.5774 14.5600 9.3329	inf inf inf	1.0000 1.4512 2.2285	cv = 10,000 1.0000 1.3446 2.0977	n/a n/a n/a	1.0000 0.7256 0.5571	cv = 10,000 1.0000 0.6723 0.5244	n/a n/a n/a
p 1 2	0.0414 0.0285	cv = 10,000 19.5774 14.5600	inf inf	1.0000 1.4512	cv = 10,000 1.0000 1.3446	n/a n/a	1.0000 0.7256	cv = 10,000 1.0000 0.6723	n/a n/a
p 1 2 4	0.0414 0.0285 0.0186	cv = 10,000 19.5774 14.5600 9.3329	inf inf inf	1.0000 1.4512 2.2285	cv = 10,000 1.0000 1.3446 2.0977	n/a n/a n/a	1.0000 0.7256 0.5571	cv = 10,000 1.0000 0.6723 0.5244	n/a n/a n/a
p 1 2 4 8	0.0414 0.0285 0.0186	cv = 10,000 19.5774 14.5600 9.3329 5.2720	inf inf inf	1.0000 1.4512 2.2285	cv = 10,000 1.0000 1.3446 2.0977 3.7135	n/a n/a n/a	1.0000 0.7256 0.5571	cv = 10,000 1.0000 0.6723 0.5244 0.4642	n/a n/a n/a
P 1 2 4 8	0.0414 0.0285 0.0186 0.0115	cv = 10,000 19.5774 14.5600 9.3329 5.2720	inf inf inf inf	1.0000 1.4512 2.2285 3.5902	ev = 10,000 1.0000 1.3446 2.0977 3.7135	n/a n/a n/a n/a	1.0000 0.7256 0.5571 0.4488	cv = 10,000 1.0000 0.6723 0.5244 0.4642 Eficiencia	n/a n/a n/a n/a
P 1 2 4 8	0.0414 0.0285 0.0186 0.0115	cv = 10,000 19.5774 14.5600 9.3329 5.2720 WTime cv = 8,192	inf inf inf inf cv = 65,536	1.0000 1.4512 2.2285 3.5902 cv = 1,024	cv = 10,000 1.0000 1.3446 2.0977 3.7135 Aceleración cv = 8,192	n/a n/a n/a n/a	1.0000 0.7256 0.5571 0.4488	cv = 10,000 1.0000 0.6723 0.5244 0.4642 Eficiencia cv = 8,192	n/a n/a n/a n/a
P 1 2 4 8 8	0.0414 0.0285 0.0186 0.0115 cv = 1,024 0.0025	cv = 10,000 19.5774 14.5600 9.3329 5.2720 WTime cv = 8,192 0.0203	inf inf inf inf cv = 65,536	1.0000 1.4512 2.2285 3.5902 cv = 1,024 1.0000	cv = 10,000 1.0000 1.3446 2.0977 3.7135 Aceleración cv = 8,192 1.0000	n/a n/a n/a n/a cv = 65,536	1.0000 0.7256 0.5571 0.4488 cv = 1,024 1.0000	cv = 10,000 1.0000 0.6723 0.5244 0.4642 Eficiencia cv = 8,192 1.0000	n/a n/a n/a n/a cv = 65,536
P 1 2 4 8 E4 P 1 2	0.0414 0.0285 0.0186 0.0115 cv = 1,024 0.0025 0.0013	cv = 10,000 19.5774 14.5600 9.3329 5.2720 WTime cv = 8,192 0.0203 0.0108	inf inf inf inf cv = 65,536 0.1547 0.0880	1.0000 1.4512 2.2285 3.5902 cv = 1,024 1.0000 1.8782	cv = 10,000 1.0000 1.3446 2.0977 3.7135 Aceleración cv = 8,192 1.0000 1.8781	n/a n/a n/a n/a cv = 65,536 1.0000 1.7589	1.0000 0.7256 0.5571 0.4488 cv = 1,024 1.0000 0.9391	cv = 10,000 1.0000 0.6723 0.5244 0.4642 Eficiencia cv = 8,192 1.0000 0.9390	n/a n/a n/a n/a n/a 1.0000 0.8795
P 1 2 4 8 8	0.0414 0.0285 0.0186 0.0115 cv = 1,024 0.0025	cv = 10,000 19.5774 14.5600 9.3329 5.2720 WTime cv = 8,192 0.0203	inf inf inf inf cv = 65,536	1.0000 1.4512 2.2285 3.5902 cv = 1,024 1.0000	cv = 10,000 1.0000 1.3446 2.0977 3.7135 Aceleración cv = 8,192 1.0000	n/a n/a n/a n/a cv = 65,536	1.0000 0.7256 0.5571 0.4488 cv = 1,024 1.0000	cv = 10,000 1.0000 0.6723 0.5244 0.4642 Eficiencia cv = 8,192 1.0000	n/a n/a n/a n/a cv = 65,536

restricción: cv debe ser potencia de 2