Using	Matrix	[processors]	Time / mpi	Inf Norm / mpi	Time / manual	Inf Norm / manual
./A4-mpi-solo -г	50	5	0.009072	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.008933	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.008905	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.008812	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.008925	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.009015	83,811.0		83,811.0
./A4-mpi-solo -r	100	5	0.037541	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037656	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037570	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037487	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037527	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037631	338,563.0	0.008456	338,563.0
/A 4	50	_	0.000110	22.244.0	0.004007	22.011.0
./A4-mpi-solo -r	50	5	0.009118	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.009014	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.008918	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.008817	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.008911	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.008957	83,811.0		83,811.0
./A4-mpi-solo -r	100	5	0.037528	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037641	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037601	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037511	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037566	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037486	338,563.0	0.008523	338,563.0
Using	Matrix	[processors]	Time / mpi	Inf Norm / mpi	Time / manual	Inf Norm / manual
./A4-mpi-solo -i	50	5	0.008958	75,625.0	0.001088	75,625.0
./A4-mpi-solo -i ./A4-mpi-solo -i	50 50	5	0.008958 0.008924	75,625.0 75,625.0	0.001088 0.001087	75,625.0 75,625.0
./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	50 50 50	5 5 5	0.008958 0.008924 0.008960	75,625.0 75,625.0 75,625.0	0.001088 0.001087 0.001089	75,625.0 75,625.0 75,625.0
./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	50 50 50 50	5 5 5 5	0.008958 0.008924 0.008960 0.008933	75,625.0 75,625.0 75,625.0 75,625.0	0.001088 0.001087 0.001089 0.001089	75,625.0 75,625.0 75,625.0 75,625.0
./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	50 50 50 50 50	5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0	0.001088 0.001087 0.001089 0.001089 0.001088	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0
./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	50 50 50 50 50 50	5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0
./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	50 50 50 50 50 50 50	5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088 0.008443	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 50 100	5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088 0.008443	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 50 100 100	5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088 0.008443 0.008453	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 50 100 100 100	5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0	0.001088 0.001089 0.001089 0.001089 0.001088 0.001088 0.008443 0.008453 0.008453	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 100 100 100 100	5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038198	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088 0.008443 0.008453 0.008454 0.008454	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 50 100 100 100	5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088 0.008443 0.008453 0.008454 0.008454	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 100 100 100 100	5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038198	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088 0.008443 0.008453 0.008453 0.008454 0.008459	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 100 100 100 100 100	5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038247	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088 0.008443 0.008453 0.008453 0.008454 0.008459 0.008617	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 100 100 100 100 100 50 50	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038247	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088 0.008443 0.008453 0.008454 0.008459 0.008459	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 50 100 100 100 100 100	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038247	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088 0.008443 0.008453 0.008454 0.008459 0.008459 0.008617	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0
./A4-mpi-solo -i	50 50 50 50 50 50 50 100 100 100 100 100	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038247 0.008915 0.009069 0.008928	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0	0.001088 0.001087 0.001089 0.001089 0.001088 0.001088 0.008453 0.008453 0.008454 0.008459 0.008459 0.008459	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0
./A4-mpi-solo -i	50 50 50 50 50 50 50 100 100 100 100 100	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038247 0.008915 0.009069 0.008928 0.008972 0.008964	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0	0.001088 0.001087 0.001089 0.001088 0.001088 0.008443 0.008453 0.008453 0.008454 0.008459 0.008459 0.001087 0.001087 0.001087 0.001230 0.001088	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0
./A4-mpi-solo -i	50 50 50 50 50 50 50 100 100 100 100 100	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038247 0.008915 0.009069 0.008928 0.008972 0.008964 0.009050	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0	0.001088 0.001087 0.001089 0.001088 0.001088 0.001088 0.008453 0.008453 0.008454 0.008459 0.008459 0.001087 0.001087 0.001087 0.001230 0.001088	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0
./A4-mpi-solo -i	50 50 50 50 50 50 100 100 100 100 100 50 50 50 50 50	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038247 0.008915 0.009069 0.008928 0.008972 0.008964 0.009050 0.038039	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0	0.001088 0.001087 0.001089 0.001088 0.001088 0.008453 0.008453 0.008454 0.008459 0.008459 0.001096 0.001087 0.001087 0.001230 0.001088 0.001089 0.001089	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0
./A4-mpi-solo -i	50 50 50 50 50 50 100 100 100 100 100 50 50 50 50 50 50	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038198 0.038247 0.008915 0.009069 0.008928 0.008972 0.008964 0.009050 0.038039 0.038085	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0	0.001088 0.001087 0.001089 0.001088 0.001088 0.008443 0.008453 0.008454 0.008459 0.008617 0.001087 0.001087 0.001087 0.001088 0.001089 0.001089 0.008540 0.008519	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 100 100 100 1	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038198 0.038247 0.009069 0.009069 0.008928 0.008972 0.008964 0.009050 0.038039 0.038085 0.037991	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0	0.001088 0.001087 0.001089 0.001088 0.001088 0.008443 0.008453 0.008454 0.008459 0.008617 0.001087 0.001087 0.001087 0.001089 0.001089 0.001089 0.008540 0.008519	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 100 100 100 1	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038247 0.008915 0.009059 0.008928 0.008972 0.008964 0.009050 0.038039 0.038085 0.037991 0.038114	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0	0.001088 0.001087 0.001089 0.001088 0.001088 0.001088 0.008443 0.008453 0.008454 0.008459 0.008617 0.001097 0.001087 0.001087 0.001230 0.001088 0.001088 0.001089 0.008540 0.008525	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -i	50 50 50 50 50 50 100 100 100 1	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.008958 0.008924 0.008960 0.008933 0.008925 0.008914 0.038111 0.038198 0.038174 0.038084 0.038198 0.038247 0.009069 0.009069 0.008928 0.008972 0.008964 0.009050 0.038039 0.038085 0.037991	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0	0.001088 0.001089 0.001089 0.001089 0.001088 0.001088 0.008443 0.008453 0.008453 0.008454 0.001087 0.001087 0.001087 0.001088 0.001089 0.001089 0.001089 0.001089 0.001089 0.001089 0.008540 0.008520 0.008520	75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0

Using	Matrix	[processors]	Time / mpi	Inf Norm / mpi	Time / manual	Inf Norm / manual
./A4-mpi-solo -r	50	5	0.009046	83,811.0	0.001087	83,811.0
./A4-mpi-solo -г	50	5	0.008892	83,811.0	0.001089	83,811.0
./A4-mpi-solo -r	50	5	0.008990	83,811.0	0.001090	83,811.0
./A4-mpi-solo -r	100	5	0.037635	338,563.0	0.008447	338,563.0
./A4-mpi-solo -r	100	5	0.037697	338,563.0	0.008454	338,563.0
./A4-mpi-solo -r	100	5	0.037666	338,563.0		338,563.0
./A4-mpi-solo -r	500	5	1.327586	8,078,358.0		8,078,358.0
./A4-mpi-solo -r	500	5	1.337290	8,078,358.0		8,078,358.0
./A4-mpi-solo -r	500	5	1.344111	8,078,358.0		8,078,358.0
./A4-mpi-solo -r	500	5	1.321970	8,078,358.0		8,078,358.0
./A4-mpi-solo -r	1000	5	7.248157	31,600,720.0		31,600,720.0
./A4-mpi-solo -r	1000	5	7.149565	31,600,720.0		31,600,720.0
./A4-mpi-solo -r	1000	5	7.054564	31,600,720.0		31,600,720.0
./A4-mpi-solo -r	1000	5	7.085431	31,600,720.0		31,600,720.0
/4.4	50	_	0.000035	02.044.0	0.004200	02.044.0
./A4-mpi-solo -r	50	5	0.009035	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.008932	83,811.0		83,811.0
./A4-mpi-solo -r	50	5	0.008888	83,811.0		83,811.0
./A4-mpi-solo -r	100	5	0.037540	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037636	338,563.0		338,563.0
./A4-mpi-solo -r	100	5	0.037552	338,563.0		338,563.0
./A4-mpi-solo -r	500	5	1.350460	8,078,358.0		8,078,358.0
./A4-mpi-solo -r	500	5	1.328560	8,078,358.0	2.397888	8,078,358.0
./A4-mpi-solo -r	500	5	1.359001	8,078,358.0	2.391396	8,078,358.0
./A4-mpi-solo -r	500	5	1.323249	8,078,358.0	2.394876	8,078,358.0
./A4-mpi-solo -г	1000	5	7.143116	31,600,720.0	17.156587	31,600,720.0
./A4-mpi-solo -г	1000	5	7.045932	31,600,720.0	17.116244	31,600,720.0
					47 477040	24 600 700 0
./A4-mpi-solo -r	1000	5	7.149100	31,600,720.0	17.177210	31,600,720.0
	1000 1000	5 5	7.149100 7.089481	31,600,720.0 31,600,720.0		31,600,720.0 31,600,720.0
./A4-mpi-solo -r				• •	17.191204	•
./A4-mpi-solo -r ./A4-mpi-solo -r Using	1000	5 processors	7.089481	31,600,720.0	17.191204 Time / manual	31,600,720.0 Inf Norm / manual
./A4-mpi-solo -r ./A4-mpi-solo -r Using ./A4-mpi-solo -i	1000 Matrix 50	5	7.089481 Time / mpi 0.008938	31,600,720.0 Inf Norm / mpi 75,625.0	17.191204 Time / manual 0.001186	31,600,720.0 Inf Norm / manual
./A4-mpi-solo -r ./A4-mpi-solo -r Using ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 Matrix 50 50	processors 5 5 5	7.089481 Time / mpi 0.008938 0.009002	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0	17.191204 Time / manual 0.001186 0.001088	31,600,720.0 Inf Norm / manual
./A4-mpi-solo -r ./A4-mpi-solo -r Using ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 [Matrix] 50 50 50	5 processors 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0	17.191204 Time / manual 0.001186 0.001088 0.001087	31,600,720.0 Inf Norm / manual
./A4-mpi-solo -r ./A4-mpi-solo -r Using ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 [Matrix] 50 50 50 100	5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0	17.191204 Time / manual 0.001186 0.001088 0.001087 0.008523	31,600,720.0 Inf Norm / manual
./A4-mpi-solo -r ./A4-mpi-solo -r Using ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 [Matrix] 50 50 50 100 100	5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 [Matrix] 50 50 50 100 100 100	5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500	5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 637,562,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 637,562,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500	5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500	5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500	5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000	5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 Matrix 50 50 100 100 100 500 500 500 1000 100	5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0	17.191204 Time / manual	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000	5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0	17.191204 Time / manual	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000	5 processors 5 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0	17.191204 Time / manual	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000	5 processors 5 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391919 2.393041 17.110994 17.160057 17.148499 17.119226	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000	5 processors 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994 17.160057 17.148499 17.119226 0.001095 0.001123	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000	5 processors 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994 17.160057 17.148499 17.119226 0.001095 0.001123	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000 50 50 50 1000	5 processors 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 1,102,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994 17.110994 17.119226 0.001095 0.001123 0.001087 0.008466	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 500 5	5 processors 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928 0.008975	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994 17.110994 17.119226 0.001095 0.001123 0.001087 0.008466	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000 50 50 50 1000	processors	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928 0.008975 0.038091	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 1,102,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994 17.160057 17.148499 17.119226 0.001095 0.001123 0.001087 0.008466 0.008528	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000 1000 1000 1000 1000	5 processors 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928 0.008975 0.038091 0.038131	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994 17.160057 17.148499 17.119226 0.001095 0.001123 0.001087 0.008466 0.008528 0.008449	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	processors	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928 0.008975 0.038091 0.038131 0.038197	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994 17.160057 17.148499 17.119226 0.001095 0.001123 0.001087 0.008466 0.008528 0.008449 2.393659	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000 1000 1000 1000 50 50 50 50 50 50 50 50 50 50 50 50	5 processors 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928 0.008975 0.038091 0.038131 0.038197 1.358874	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994 17.160057 17.148499 17.119226 0.001095 0.001123 0.001087 0.008466 0.008528 0.008449 2.393659 2.380557	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000 1000 50 50 50 50 50 50 50 50 50 50 50 50	processors 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928 0.008975 0.038091 0.038131 0.038197 1.358874 1.367390	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994 17.160057 17.148499 17.119226 0.001095 0.001123 0.001087 0.008466 0.008528 0.008449 2.393659 2.380557 2.319429	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000 1000 50 50 50 50 50 50 50 50 50 50 50 50	processors 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928 0.008975 0.038091 0.038131 0.038197 1.358874 1.367390 1.362464 1.358222	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 11,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0	17.191204 Time / manual 0.001186 0.001087 0.008523 0.008458 0.008459 2.393414 2.391642 2.391919 2.393041 17.110994 17.160057 17.148499 17.119226 0.001095 0.001123 0.001087 0.008466 0.008528 0.008449 2.393659 2.380557 2.319429 2.378163	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000 1000 1000 50 50 50 50 100 10	processors 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928 0.008975 0.038091 0.038131 0.038131 0.038197 1.358874 1.367390 1.362464 1.358222 7.291051	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0	17.191204 Time / manual	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 637,562,500.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0
./A4-mpi-solo -r ./A4-mpi-solo -r ./A4-mpi-solo -i	1000 Matrix 50 50 50 100 100 100 500 500 500 1000 1000 1000 1000 1000 1000 50 50 50 50 50 50 50 50 50 50 50 50	processors 5 5 5 5 5 5 5 5 5	7.089481 Time / mpi 0.008938 0.009002 0.009120 0.038113 0.038247 0.038238 1.378423 1.355162 1.379172 1.403600 7.395794 7.315577 7.316681 7.256198 0.009033 0.008928 0.008975 0.038091 0.038131 0.038197 1.358874 1.367390 1.362464 1.358222	31,600,720.0 Inf Norm / mpi 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 11,102,500.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0	17.191204 Time / manual	31,600,720.0 Inf Norm / manual 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 10,100,250,000.0 10,100,250,000.0 10,100,250,000.0 75,625.0 75,625.0 75,625.0 75,625.0 1,102,500.0 1,102,500.0 1,102,500.0 1,102,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0 637,562,500.0