```
annawu@cisc372:~/372-homework/hw4/heat$ make timings
srun -n 1 ./heat_mpi 0.30  1000000       15000       0  tmp.gif
Time (s): 68.19
srun -n 2 ./heat_mpi 0.30  1000000       15000       0  tmp.gif
srun: job 130600 queued and waiting for resources
srun: job 130600 has been allocated resources
Time (s): 75.39
srun -n 3 ./heat_mpi 0.30  1000000       15000       0  tmp.gif
srun: job 130603 queued and waiting for resources
srun: job 130603 has been allocated resources
Time (s): 55.66
srun -n 4 ./heat_mpi 0.30  1000000       15000       0  tmp.gif
srun: job 130613 queued and waiting for resources
srun: job 130613 has been allocated resources
Time (s): 49.80
srun -n 5 ./heat_mpi 0.30  1000000       15000       0  tmp.gif
srun: job 130614 queued and waiting for resources
srun: job 130614 has been allocated resources
Time (s): 41.16
srun -n 6 ./heat_mpi 0.30  1000000       15000       0  tmp.gif
srun: job 130615 queued and waiting for resources
srun: job 130615 has been allocated resources
Time (s): 36.94
srun -n 7 ./heat_mpi 0.30  1000000       15000       0  tmp.gif
srun: job 130619 queued and waiting for resources
srun: job 130619 has been allocated resources
Time (s): 32.65
srun -n 8 ./heat_mpi 0.30  1000000       15000       0  tmp.gif
srun: job 130620 queued and waiting for resources
srun: job 130620 has been allocated resources
Time (s): 29.51
srun -n 16 ./heat_mpi 0.30  1000000       15000       0  tmp.gif
srun: job 130622 queued and waiting for resources
srun: job 130622 has been allocated resources
Time (s): 17.11
srun -n 24 ./heat_mpi 0.30  1000000       15000       0  tmp.gif
srun: job 130623 queued and waiting for resources
srun: job 130623 has been allocated resources
Time (s): 14.56
```