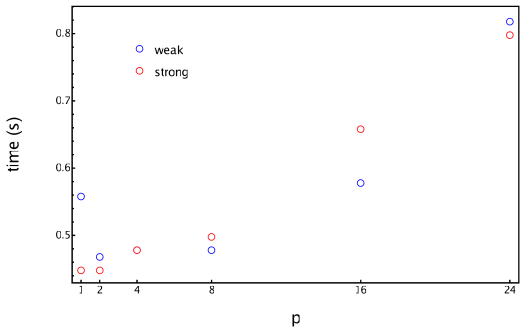

Figure 1: Week (blue) and strong (red) scalability are shown.

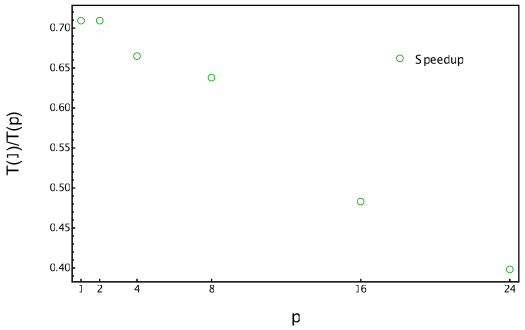

Figure 2: Speedup

Report: weak - strong test

Today we have seen the weak and strong scalability. We tested a simple mote-carlo code to compute π, both in a serial manner and a parallel one.

I wrote two bash script to implement the weak and strong approach

- *pi_script_w.txt*
- *pi_script_s.txt*

All the useful information, about moves and number of processor, can be found inside these files. The output data (elapsed time in particular) are stored in

- *time_weak.txt*
- *time_strong.txt*
- *time_serial.txt*