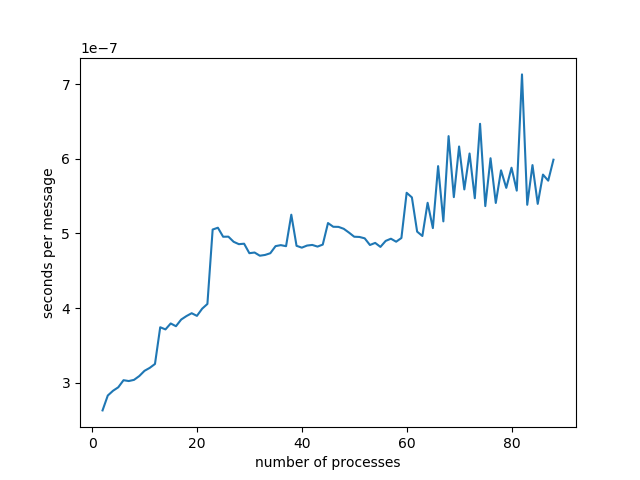
Exercise 6: MPI ring test

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scatter\_ring\_test:

size: 4,

number of trips: 1000,

time (seconds): 0.00642633,

seconds per message: 1.60658e-06

ring\_test:

size: 4,

number of trips: 1000,

time (seconds): 0.00115633,

seconds per message: 2.89083e-07

For scatter\_ring\_test, the message needs to go over a network to communicate to another node. As for ring\_test, only inter-core communication is needed. So the latency for scatter\_ring\_test is higher.