## Fall 2021 Algorithms and Analysis Tools Exam, Part A

2) (10 pts) ANL (Algorithm Analysis)

A program processing an array of size 100 took 50 ms to finish and on an array of size 1000 it took 75 ms to finish. What Big Oh runtime would be most reasonable for the program? (Hint: make a couple guesses to the function and see if those guesses are consistent with the run-times listed.)