**1.c.**

the elapsed time for part 1.c. : 133500 nanoseconds.

**1.d.**

the elapsed time for part 1.d. : 2664200 nanoseconds.

The time increased by approximately 19.96 when the size of the matrix changed.

**2.c.**

the elapsed time for part 2.c. : 1276300 nanoseconds.

**2.d.**

the elapsed time for part 2.d. : 38843301 nanoseconds.

The time increased by approximately 30,43 when the size of the matrix changed.