

# Task 1

## Analyzing the Stable Selection Sort

$$(n-1) + (n-2) + \dots + 2 + 1 = n(n-1)/2 \in \theta(n^2)$$

### Instructions

```
compile:
gcc -o ss stable_selection_sort.c

run with data from file numbers0.txt:
./ss < numbers0.txt

run with data from file numbers1.txt:
./ss < numbers1.txt

run with user input:
./ss
```

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# Task 2

### Instructions

```
compile:
gcc -o textidx text_indexing.c

run with data from file data0.txt:
./textidx < data0.txt

run with data from file data1.txt:
./textidx < data1.txt

run with data from file data2.txt:
./textidx < data2.txt

run with user input:
./textidx
```