Problem 1

To generate a list of n numbers to a file "arrayNums.txt":

```
make generate
```

```
./generate n
```

To run any question, please follow the instructions below.

To send the output to an output text file, please add

```
> output.txt
```

to the command that runs the program. This will redirect the standard output from the program into a text file of the given name.

Part 1:

After generating a list of size n, to run the search with X threads:

```
make q1
```

```
./search n X
```

Part 2:

After generating a list of size n, to run the recursive divide-and-conquer search:

```
make q2
```

```
./search n
```

Note: the value of the minimum size of the list before searching will begin can be specified in the Definition at the top of the search_2.c file: MIN_LIST_SIZE, by default set to 1000.

Variation on the Problem:

After generating a list of size n, to run the variation on the problem with (at most) X threads:

```
make qvar
```

```
./search n X
```