

Problem 2

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 single-process search:

```
make q1
```

```
./search n
```

Part 2:

After generating a list of size n , to run the multi-process DFS search:

```
make q2
```

```
./search n
```

Part 3:

After generating a list of size n , to run the multi-process BFS search:

```
make q3
```

```
./search n
```

Note: the value of X can be specified in the Definition at the top of the search_3.c file: `X_PROCS`, by default set to 10.

Variation on the Problem:

After generating a list of size n , to run the variation on the problem:

```
make qvar
```

```
./search n
```