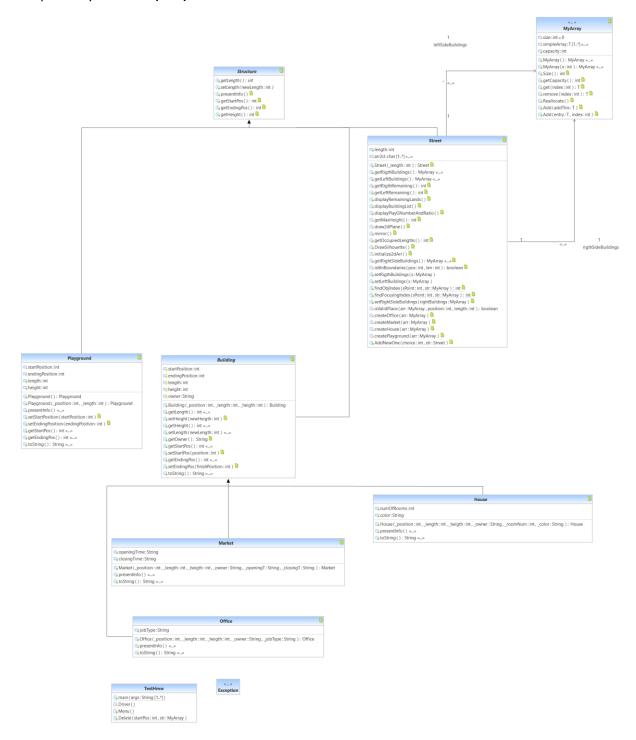
I worked and measured the driver functions with 10,100,1000 entries

Note: Hocam the outputs of the programs are perfectly ok. In order for the test to be easier

The outputs are miliseconds

Simple Array: → Theta(N^3)



Testing with 10 elements:

```
for(int i=0; i<10; i++)
    kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));</pre>
```

Execution Time: 58.030901

Testing with 100 elements:

```
for(int i=0; i<100; i++)
    kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));</pre>
```

Execution Time: 69.155499

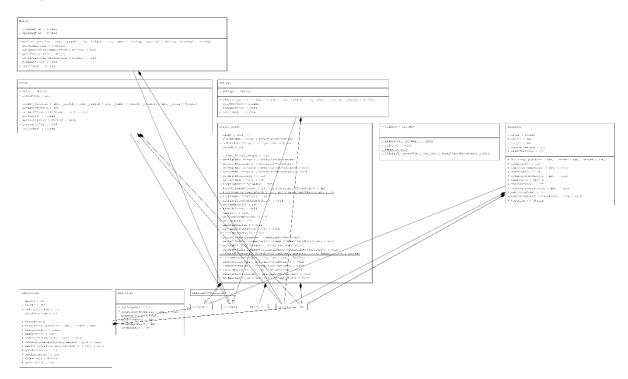
Testing with 1000 elements:

```
for(int i=0; i<1000; i++)
kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));
```

Execution Time: 584.2467

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ArrayList: → Theta(N^3)



Testing with 10 elements:

```
for(int i=0; i<10; i++)
   kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));</pre>
```

```
Execution Time: 94.721701
```

Testing with 100 elements:

```
for(int i=0; i<100; i++)
    kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));</pre>
```

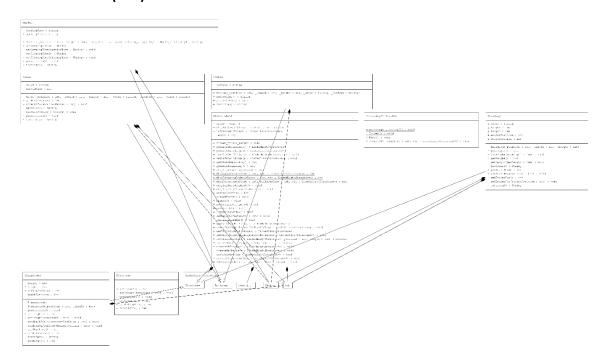
```
Execution Time: 129.810399
```

Testing with 1000 elements:

```
for(int i=0; i<1000; i++)
    kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));</pre>
```

```
Execution Time: 482.0743
```

LinkedList: → O(N^4)



Testing with 10 elements:

```
for(int i=0; i<10; i++)
    kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));</pre>
```

Execution Time: 91.270299

Testing with 100 elements:

```
for(int i=0; i<100; i++)
kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));
```

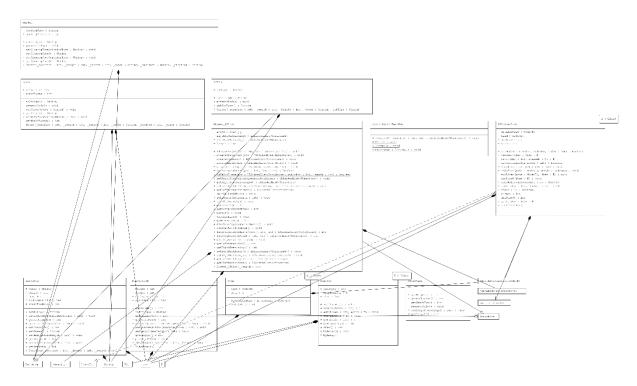
Execution Time: 131.655101

Testing with 1000 elements:

```
for(int i=0; i<1000; i++)
kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));
```

Execution Time: 5434.8873

LDLinkedList: → O(N^4)



Testing with 10:

```
for(int i=0; i<10; i++)
    kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));</pre>
```

```
Execution Time: 43.170099
```

Testing with 100:

```
for(int i=0; i<100; i++)
   kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));</pre>
```

```
Execution Time: 145.9484
```

Testing with 1000: : \rightarrow O(N^4)

```
for(int i=0; i<1000; i++)
kemerSokak.getRigthBuildings().add(new House(0, 1, 14, "Elon Husky", 10, "Bed"));
```

Execution Time: 13469.6436