

0

1

2

3

4



Indexes

3	2	8	16	12
---	---	---	----	----



Elements

Add 5

0

1

2

3

4

0

1

Value: 8

Value: 6

Add a new element



```
graph TD; A[Add a new element] --> B[Value: 8]; A --> C[Value: 6]; A --> D[Value: 10];
```

Value: 8

Value: 6

Value: 10

Remove an element

Value: 8

Value: 6

Value: 10



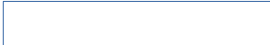
Push $O(1)$



DEQUEUE:

EN





0123456	$56 \% 6 = 6$
6543217	$17 \% 6 = 7$



6	
7	