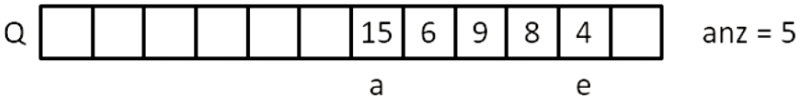
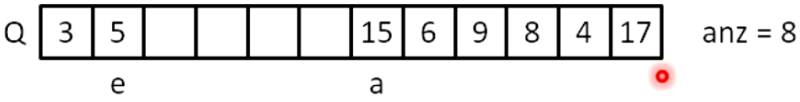
Eigenschaften

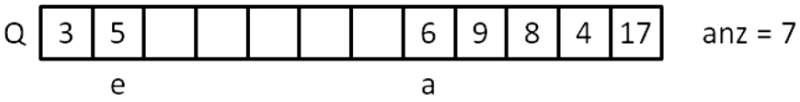
- implementiert mit [[Array]]
- LIFO Prinzip
  - last in first out
- Zugriff via top index
- hinten kein Platz mehr → vorne einfügen



PUT(Q,17), PUT(Q,3), PUT(Q,5):



GET(Q): (=15)



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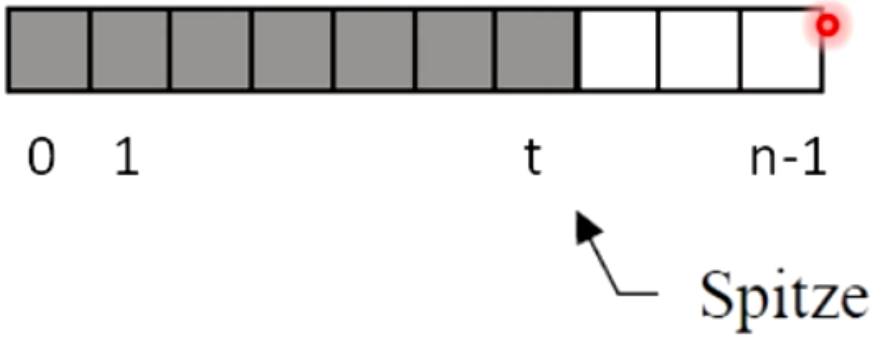

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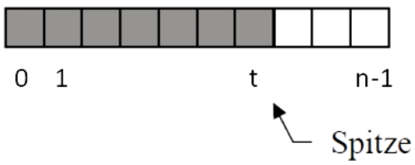
Operationen

- O(1) für alle Operationen

Stack (Stapel):

S[0...n-1]



Init: t ←-1

Einfügen:

```
PUSH(S,x)
1:   IF t=n-1 THEN „overflow“
2:   ELSE
3:      t ← t+1
4:      S[t] ← x
```

Entfernen:

```
POP(S)
1:   IF t=-1 THEN „underflow“
2:   ELSE
3:      x ← S[t]
4:      t ← t-1
5:      RETURN x
```

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