|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| x | i | ac | a[i] | a[i + 1] | i | a[i ] | max({a[j]: 0 <= j <= i} |
| 1 | 0 | / | 1 | 4 | 1 | 4 | 4 |
| 2 | 1 | 4 | 2 | 4 | 2 | 4 | 4 |
| 3 | 2 | 4 | 3 | 4 | 3 | 4 | 4 |
| 4 | 3 | / | 4 | 7 | 4 | 7 |  |
| 5 | 4 | 7 | 5 | 7 | 5 |  |  |
| 6 | 5 | 7 | 6 | 7 | 6 |  |  |

i = 0: a = {1, 4, 2, 3, 7, 5, 6}

i = 1: a = {1, 4, 2, 3, 7, 5, 6}

i = 2: a = {1, 2, 4, 3, 7, 5, 6}

i = 3: a = {1, 2, 3, 4, 7, 5, 6}

i = 4: a = {1, 2, 3, 4, 5, 7, 6}

i = 5: a = {1, 2, 3, 4, 5, 6, 7}

i steigt kontinuierlich an

a[i] = max({a[j]: 0 <= j <= i – 1} u {a[i + 1], a[i]})

oder

a[i + 1] = max({a[j]: 0 <= j <= i}

i + 1 <= a.length – 1 & ac = max({a[j]: 0 <= j <= i – 1} u {ac, a[i + 1]})

a[i] = a[i + 1]

i + 1 <= a.length – 1 & ac = max({a[j]: 0 <= j <= i – 1} u {ac, a[i]})

a[i + 1] = ac

i + 1 <= a.length – 1 & a[i + 1] = max({a[j]: 0 <= j <= i – 1} u {a[i + 1], a[i]})

i = i + 1

i <= a.length – 1 & a[i] = max({a[j]: 0 <= j <= i – 1} u {a[i], a[i]})