

2) Algorithmus (L)

tmp := int[L.length + 1];

for i = 0 to L.length do

    tmp[L[i]] = 1;

for i = 0 to L.length do

    if tmp[i] == 1 then

        print(i);

Kosten

$n \cdot c_1$

$c_2$

$c_3$

$c_4$

$c_5$

$c_6$

Durchläufe

1

n

n

n

n

$\leq n$

$$\Rightarrow T(n) \leq n \cdot (c_1 + c_2 + c_3 + c_4 + c_6)$$

$$\Rightarrow \alpha(n)$$