

ONLINE-MAXIMUM(k, n)

```
1  best-score =  $-\infty$ 
2  for  $i = 1$  to  $k$ 
3      if  $\text{score}(i) > \text{best-score}$ 
4           $\text{best-score} = \text{score}(i)$ 
5  for  $i = k + 1$  to  $n$ 
6      if  $\text{score}(i) > \text{best-score}$ 
7          return  $i$ 
8  return  $n$ 
```