

Online Hiring

procedure **On-Line-Maximum**(k, n):

{ Input: n candidates for job as assistant; $0 \leq k < n$ }

{ Output: Index of candidate hired }

$bestscore = -\infty$ { dummy score \leq least qualified }

for $i = 1$ **to** k

 interview candidate i

if $score(i) > bestscore$

$bestscore = score(i)$

for $i = k + 1$ **to** n

 interview candidate i

if $score(i) > bestscore$

 hire candidate i

return i

return n