

EXTENDED-BOTTOM-UP-CUT-ROD(p, n)

let $r[0..n]$ and $s[0..n]$ be new arrays

$r[0] = 0$

for $j = 1$ **to** n

$q = -\infty$

for $i = 1$ **to** j

if $q < p[i] + r[j - i]$

$q = p[i] + r[j - i]$

$s[j] = i$

$r[j] = q$

return r and s