

## ESERCIZIO 24° - 1° PARTE

ALG(A, i, j)

if  $i = j$  return A[i]  
else

$m = (i+j)/2$

if  $(A[m] > A[m-1] \text{ \&\& } A[m] > A[m+1])$

return A[m]

else if  $(A[m] > A[m-1] \text{ \&\& } A[m] < A[m+1])$

return ALG(A, m, j)

else

return ALG(A, i, m-1)

## ESERCIZIO 28° - 1° PARTE

1, 2, 3, 5, 6, 7, 8

ALG(A[1..N], NU)

2, 1, 2, 3, 4, 3, 6, 4

for  $i \leftarrow 1$  to  $N$  if  $A_i \leq NU$  &&

if  $A_i \bmod N = 0$

if  $ALG(A[1..N], A_i, NU) = \text{true}$  then

stamp 'true' stop for

~~stamp~~

stamp false

ALG1(A[1..N], i, j, x, NU)

if  $i > j$  return false

else

$m = (i+j)/2$

if  $A[m] \cdot x = NU$  return true

if  $A[m] \cdot x > NU$  return ALG1(A, i, m-1, x, NU)

else return ALG1(A, m+1, j, x, NU)