

# RevoLUT

## Blind Counting Sort - 2: Reconstruire tableau trié

$T = [5, 3, 4, 2, 3, 4, 0, 4]$

$C = [0, 0, 0, 0, 2, 1, 0, 0]$



$R = [0, 2, 3, 3, 4, 0, 0, 0]$

$i = j = 0, R = [0, \dots, 0]$

For  $2n$  times:

If  $C[j]$  is null:

$j += 1$

else:

BlindArrayAdd( $R, i, j$ )

BlindArrayAdd( $C, j, -1$ )

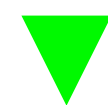
$i += 1$

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$$i = j = 0, R = [0, \dots, 0]$$

For  $2n$  times:

If  $C[j]$  is null:

$$j += 1$$

else:

BlindArrayAdd( $R$ ,  $i$ ,  $j$ )

BlindArrayAdd( $C$ ,  $j$ ,  $-1$ )

$$i += 1$$