

# Direct Sort (TFHE)

## Permutation Aveugle

- Soient les chiffrés de  $T = [1,3,2,2]$  et  $\sigma = (0,3,2,1)$

$$S_0 = [1,0,0,0] \implies R_0 = T \cdot S_0 = 1$$

$$S_1 = [0,0,0,1] \implies R_1 = T \cdot S_1 = 2$$

$$S_2 = [0,0,1,0] \implies R_2 = T \cdot S_2 = 2$$

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$$S_2 = [0,0,1,0] \implies R_2 = T \cdot S_2 = 2$$

$$S_3 = [0,1,0,0] \implies R_3 = T \cdot S_3 = 3$$