

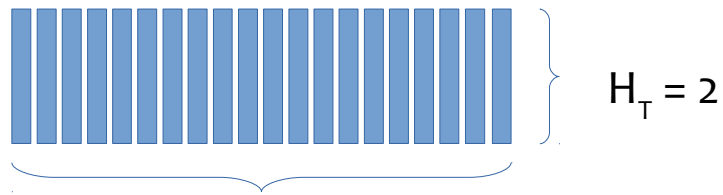
Overalllocation (O) = 4

Using 1 slot

$S_T$  – Size of tasks

$S_B$  – Block size/capacity

P - “parallelism”

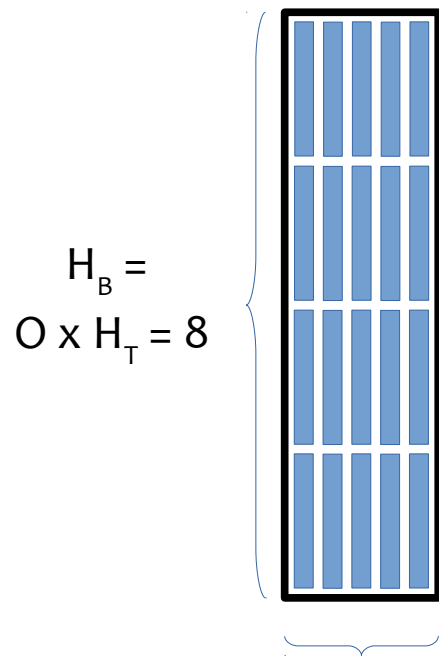


$$S = W \times H^P$$

$$W_T = 20$$

Extreme 1 (P = 1):

$$S_T = S_B = W_T \times H_T^1 = 40$$

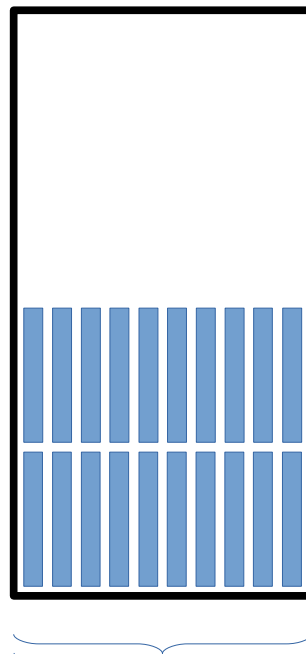


$$S_B = W_B \times H_B = 40$$

$$W_B = 40 / 8 = 5$$

In-between (P = 1/2):

$$S_T = S_B = W_T \times H_T^{1/2} \approx 28$$



$$S_B = W_B \times H_B^{1/2} = 28$$

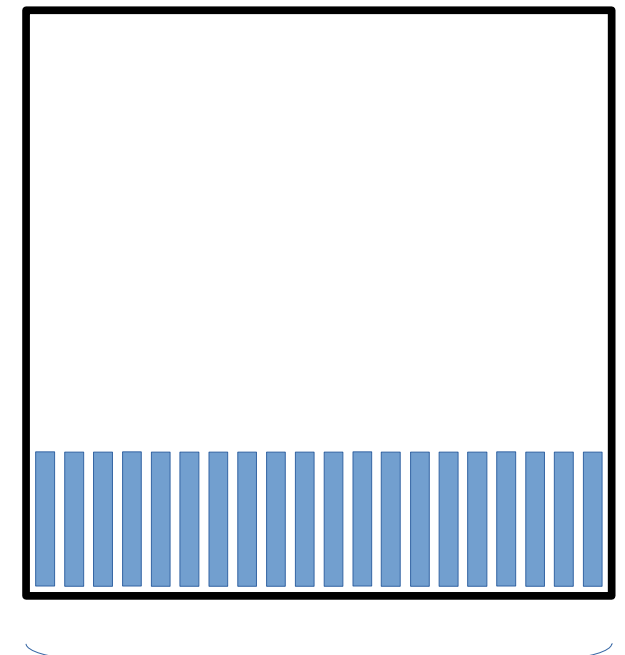
$$W_B = 28 / 8^{1/2} \approx 10$$

Extreme 2 (P = 0):

$$S_T = S_B = W_T \times H_T^0 = 20$$

$$H_B = O \times H_T = 8$$

(O is universal)



$$S_B = W_B \times H_B^0 = 20$$

$$W_B = 20 / 1 = 20$$