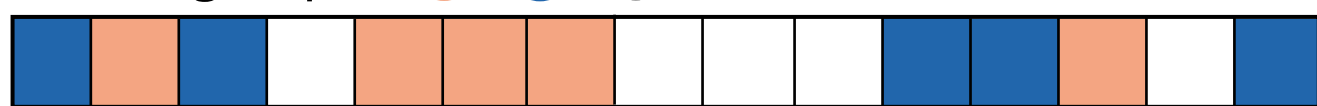


**A**Task size,  $T$  (15 bits)Pooled memory is at most as large as task size ( $T \geq N_a m_a$ )

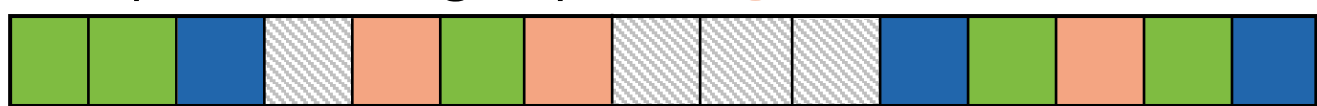
Stable group I: 1 2 3



Stable group II: 1 2 3



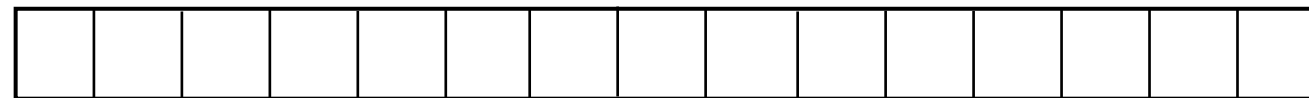
Sample shuffled group: 2 1 2



Excluded bits: 4

Stable groups (CM):  
 $N_a = 3, m_a = 5$ 

Excluded bits: 0

Shuffled  
groups (CI)**B**Task size,  $T$  (15 bits)Pooled memory is larger than task size ( $T < N_a m_a$ )

Stable group I: 1 2 3 4



Stable group II: 1 2 3 4

Stable groups (CM):  
 $N_a = 4, m_a = 5$ Excluded bits: 0  
Redundant bits: 5

Sample shuffled group: 1 2 4 1



Excluded bits: 2

Shuffled  
groups (CI)

**B**

Task size,  $T$  (15 bits)

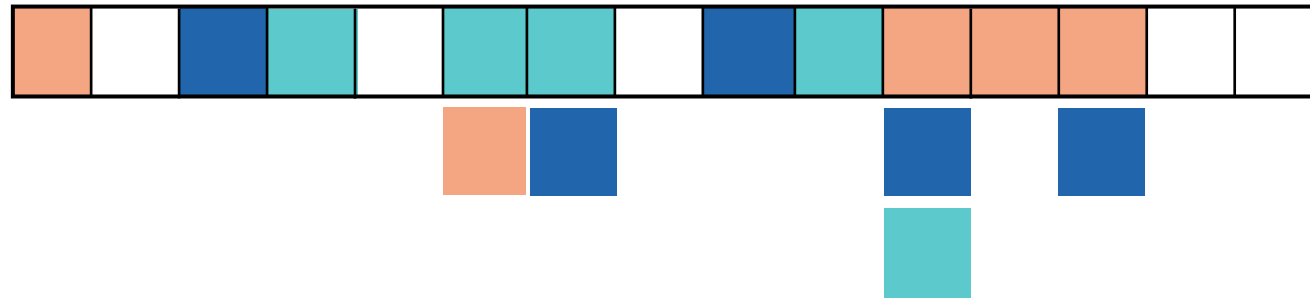


Pooled memory is larger than task size ( $T < N_a m_a$ )

Stable group I: 1 2 3 4



Stable group II: 1 2 3 4



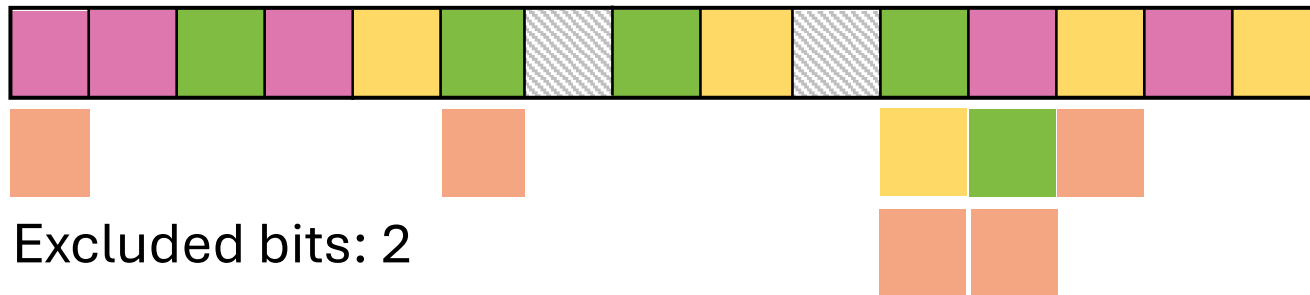
Stable groups (CM):

$$N_a = 4, m_a = 5$$

Excluded bits: 0

Redundant bits: 5

Sample shuffled group: 1 2 4 1



Shuffled  
groups (CI)

Excluded bits: 2