

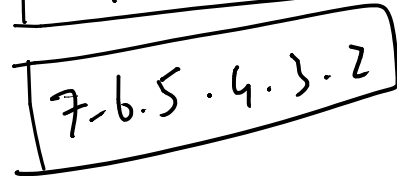
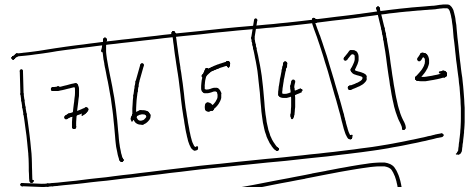
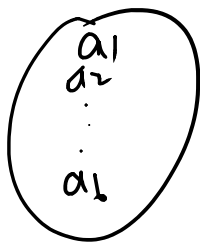
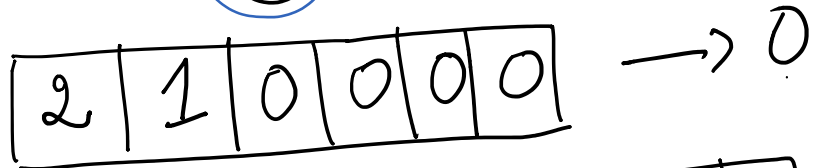
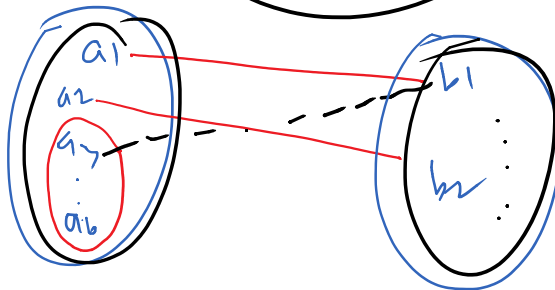
function or not!

$$\begin{cases} a_1 \rightarrow b_1 \\ a_2 \rightarrow b_1 \end{cases}$$

$$\begin{cases} a_1 \rightarrow b_2 \\ a_2 \rightarrow b_2 \end{cases}$$

$$\begin{cases} a_1 \rightarrow b_3 \\ a_2 \rightarrow b_3 \end{cases}$$

1-1 m




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74.75 x 9.8

|A ∪ B| = |A| + |B| - |A ∩ B|

74 + 7 + 9 = 90

90.89

81 + 16



- 1 1000
- 2 1001
- 3 1010
- 4 1100
- 5 1110
- 6 1101
- 7 1011
- 8 1111



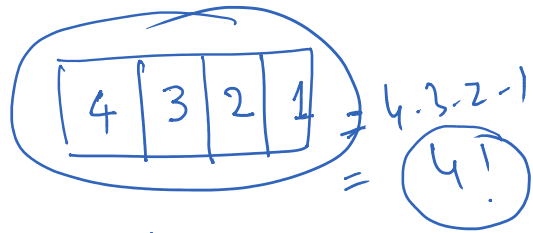
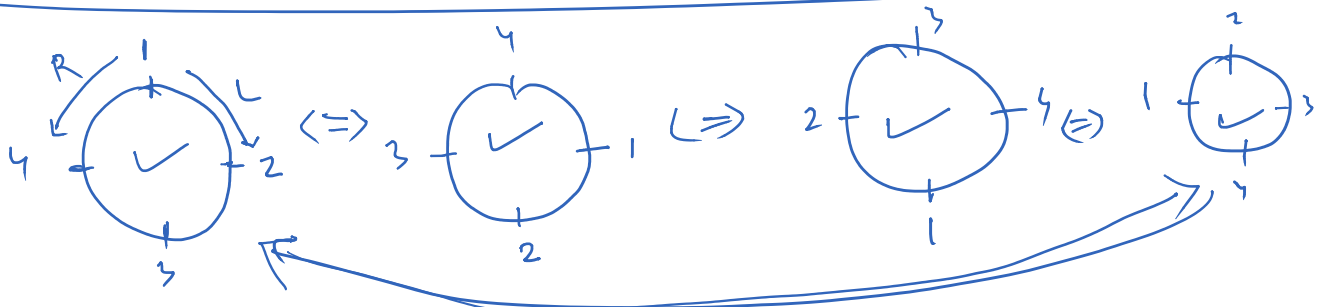
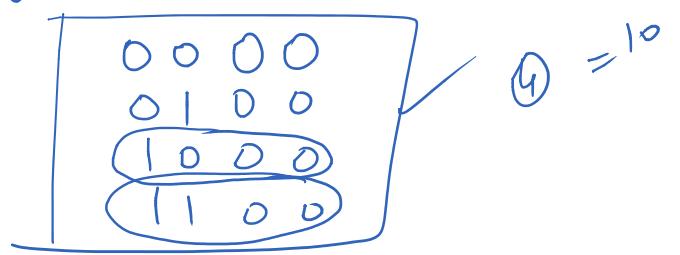
→ 8 ways



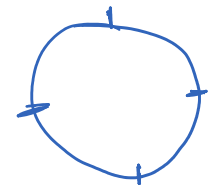
→ 4 ways

$$8 + 4 - 2 = 10$$

1000  
1100

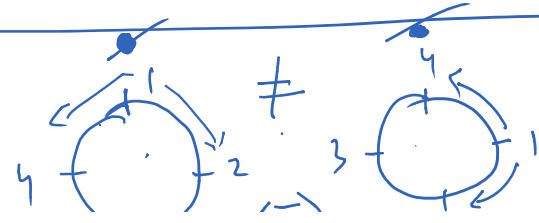


$$4 \cdot 3 \cdot 2 \cdot 1 = 4!$$



$n! = n(n-1)(n-2) \dots 1$   
 $0! = 1$  (defn).

$$\frac{4!}{4} = \frac{4 \times 3 \times 2 \times 1}{4} = 3 \times 2 \times 1 = 6$$





A	B	C
D	E	F

Pigeonhole

7<sup>th</sup> letter

(2) letters

(3)

(6)

(8)

(4)  
(5)

Vinay  
Suman

Thursday  
Monday

(8)

M	Tu	We	Th	Fr	Sa	Su
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