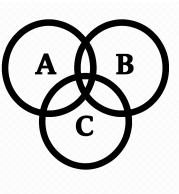
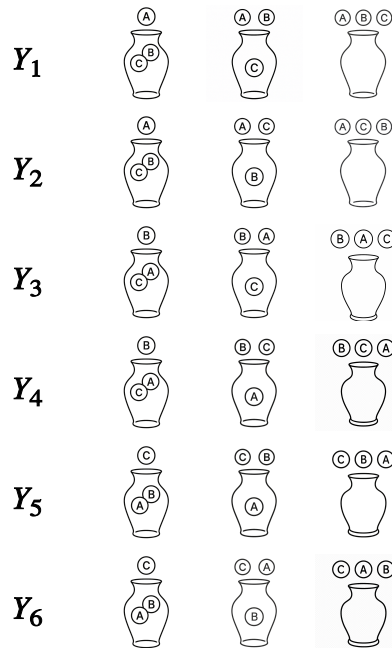
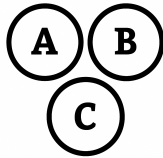


F

Counting

F



$$N = \{A, B, C\}$$

$$Y = \text{⊞}(N, 3)$$

$$|Y| = |N| \times (|N|-1) \times (|N|-2)$$

$$|Y| = 3 \times 2 \times 1 = 6$$

$$M = \{T, H\}$$

$$X = \text{⊞}(M, 3)$$

$$|X| = |M| \times |M| \times |M|$$

$$|X| = 2 \times 2 \times 2 = 8$$

$$S = \{1, 2, 3, 4\}$$

$$T = \{1, 2, 3, \dots, 12\}$$

$$|\text{⊞}(S, 1)| \times |\text{⊞}(T, 1)| = ?$$

?

F

Counting

F



$$S = \{1,2,3,4\}$$

$$T = \{1,2,3,\dots,12\}$$

$$|\textcircled{S,1}| \times |\textcircled{T,1}| = |S| \times |T| = 4 \times 12 = 48$$