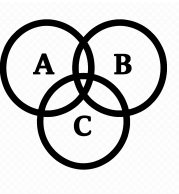
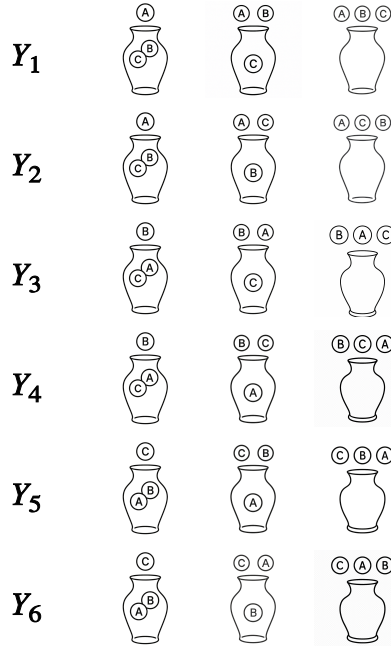
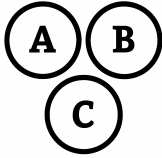


J

Counting

J



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

$$Y = \textcircled{\equiv}(N, 3)$$

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

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

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

$$X = \textcircled{\equiv}(M, 3)$$

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

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

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

$$T = \{1, 2\}$$

$$|\textcircled{\equiv}(S, 4)| \times |\textcircled{\equiv}(T, 4)| = ?$$



J

Counting

J



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

$$T = \{1,2\}$$

$$|\mathbb{P}(S,4)| \times |\mathbb{P}(T,4)| = |S| \times (|S|-1) \times (|S|-2) \times (|S|-3) \times |T| \times |T| \times |T| \times |T| = 24 \times 16 = 384$$