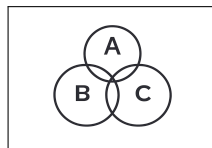
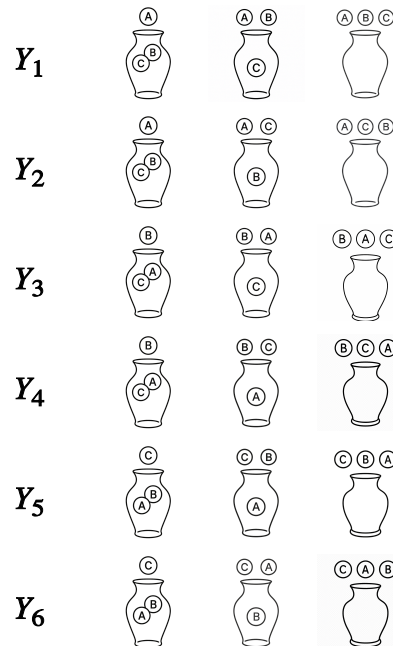
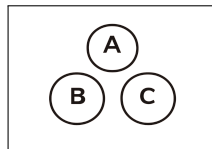


3

Discrete Distribution Counting

C



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

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

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

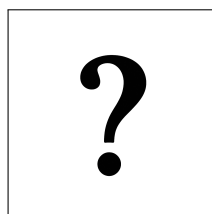
$$|Y| = 3 \times 2 \times 1 = 6$$

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

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

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

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



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

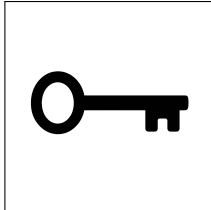
$$T = \{1, 2, 3\}$$

$$|\textcircled{\equiv}(S, 1)| \times |\textcircled{\equiv}(T, 1)| = ?$$

3

Discrete Distribution Counting

C



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

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

$$|\{(S,1)\}| \times |\{(T,1)\}| = |S| \times |T| = 2 \times 3 = 6$$