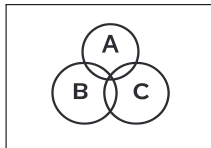
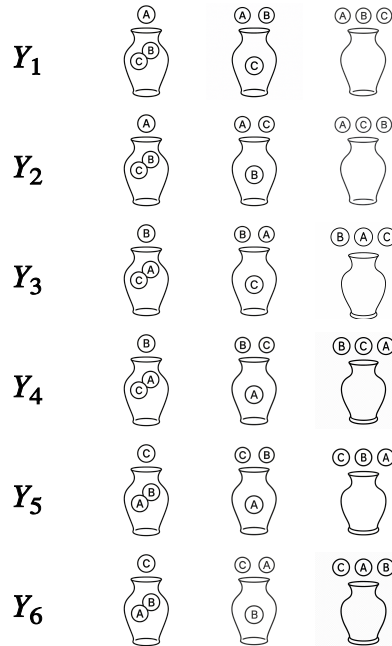
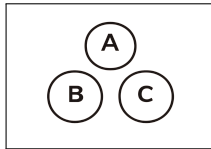


3

Discrete Distribution Counting

E



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

$$Y = \textcircled{\textcircled{\textcircled{N,3}}}$$

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

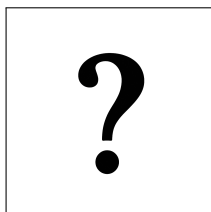
$$|Y| = 3 \times 2 \times 1 = 6$$

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

$$X = \textcircled{\textcircled{\textcircled{M,3}}}$$

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

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



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

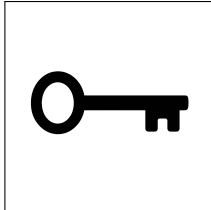
$$T = \{1,2,3\}$$

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

3

Discrete Distribution
Counting

E



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

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

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