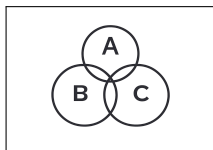
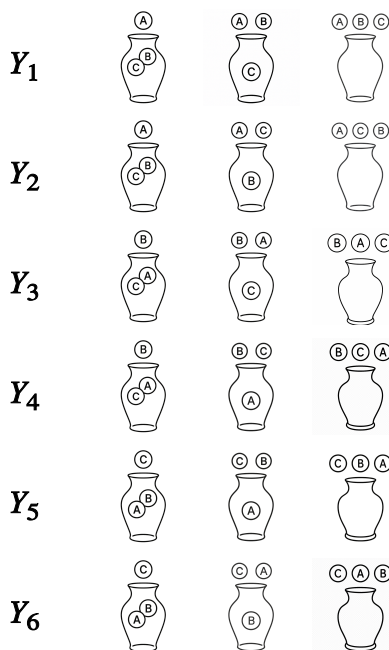
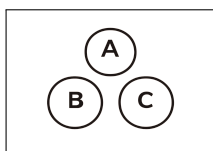


3

Discrete Distribution Counting

M



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

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

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

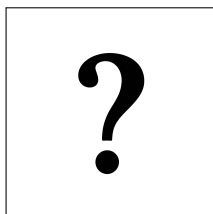
$$|Y| = 3 \times 2 \times 1 = 6$$

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

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

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

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



$$A = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$$

$$B = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$$

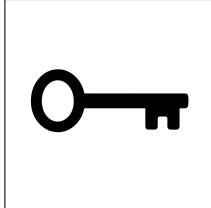
$$C = \{1, 3, 5, 7, 9\}$$

$$|\textcircled{\equiv}(A, 1)| \times |\textcircled{\equiv}(B, 2)| \times |\textcircled{\equiv}(C, 1)| = ?$$

3

Discrete Distribution
Counting

M


 $A = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$
 $B = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$
 $C = \{1, 3, 5, 7, 9\}$
 $| \oplus (A, 1) | \times | \oplus (B, 2) | \times | \oplus (C, 1) | = |A| \times |B| \times |B| \times |C|$
 $= 9 \times 10 \times 10 \times 5 = 4,500$