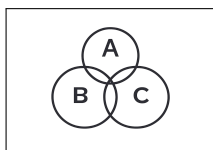
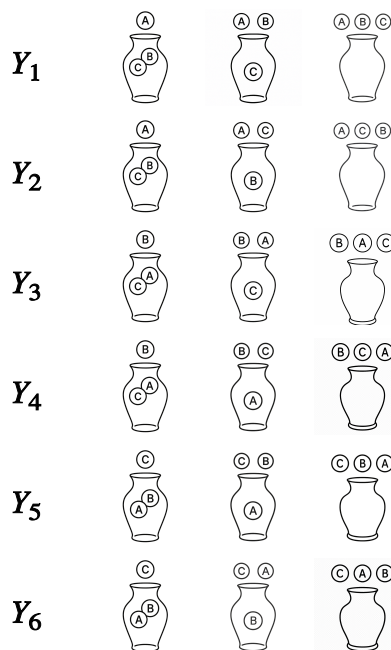
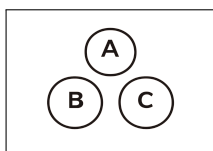


3

Discrete Distribution Counting

K



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

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

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

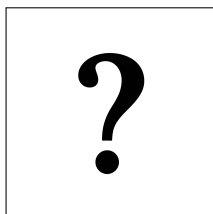
$$|Y| = 3 \times 2 \times 1 = 6$$

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

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

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

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



$$S = \{A, C, D, F\}$$

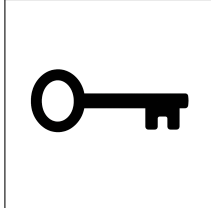
$$T = \{A, B, C, D, F\}$$

$$|\textcircled{\equiv}(S, 1)| \times |\textcircled{\equiv}(T, 3)| = ?$$

3

Discrete Distribution Counting

K



$S = \{A, C, D, F\}$

$T = \{A, B, C, D, F\}$

$$| \textcircled{\neq} (S,1) | \times | \textcircled{\neq} (T,3) | = |S| \times |T| \times (|T|-1) = 4 \times 4 \times 3 \times 2 = 96$$