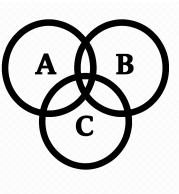
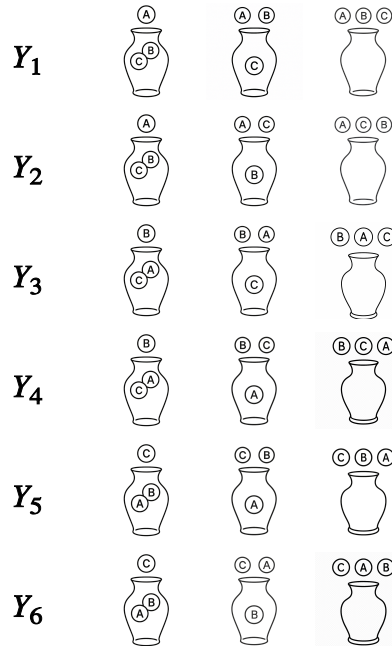
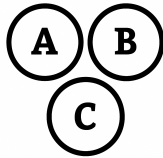


# N

## Counting

# N



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

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

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

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

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

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

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

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

?

$$A = \{A\}$$

$$B = \{Z\}$$

$$C = \{A, B, C, \dots, Z\}$$

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

# N

## Counting

# N



A = {A}

B = {Z}

C = {A,B,C...Z}

$$| \textcircled{\neq} (A,1) | \times | \textcircled{\neq} (B,1) | \times | \textcircled{\neq} (C,2) | = |A| \times |B| \times |C| \times |C| = 1 \times 1 \times 26 \times 26 = 676$$