

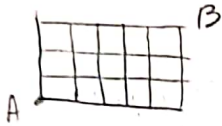
$$\left. \begin{array}{l} 111 \rightarrow 1 \\ 112 \rightarrow 2 \\ 113 \rightarrow 3 \\ 122 \rightarrow 3 \\ 123 \rightarrow 3 \\ 222 \rightarrow 1 \end{array} \right\} 19$$

(14)

123
 $(1)(2)(3)$

123
 $(1)(3)(2)$

(11)



$$\binom{4}{2} \binom{5}{2}$$

(14)

123
 $(1)(2)(3) = 21$

123
 $(1)(3)(2) = 14$

(14)

of 12 3
 2 1 3
 3 2 1
 1 3 2

of 12 3
 2 1 3
 3 2 1
~~1 3 2~~

$$\frac{1!}{0! 1!}$$

(11)

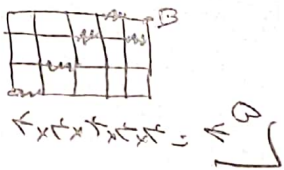
123
 $(1)(2)(3)$

123
 $(1)(3)(2)$

(14)



(14)



$$\frac{4!}{2! 2!}$$

(14)

$$\begin{array}{ccc} 1 \times 1 & 2 \times 2 & 3 \times 3 \\ \downarrow & \downarrow & \downarrow \\ 1 \times 1 & 2 \times 2 & 3 \times 3 \end{array}$$

(14)

$$1 \times 1 + 2 \times 2 + 3 \times 3 = 14$$

$$\frac{4!}{2! 2!}$$

(14)