

Subject:
Date:

$$4! = 24$$

-1

$$(4-1)! = 3! = 6$$

-2

$$\frac{(4-1)!}{2} = \frac{3!}{2} = 3$$

-3

$$\binom{4}{2} \times 2! = \frac{4!}{2! \times 2!} \times 2! = 6$$

-4

$$\binom{4}{2} \times (2-1)! = 6$$

-5

$$\frac{\binom{4}{2} \times (2-1)!}{2} = 3$$

-6

$$\binom{4}{2} \times 2! = 6$$

-7

$$3! = 6$$

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$$3! \times 2! = 12$$

-8

$$\frac{3!}{2!} = 3$$

-9

$$2! \times 2! = 4$$

-10

$$\frac{3!}{2!} = 3$$

-11

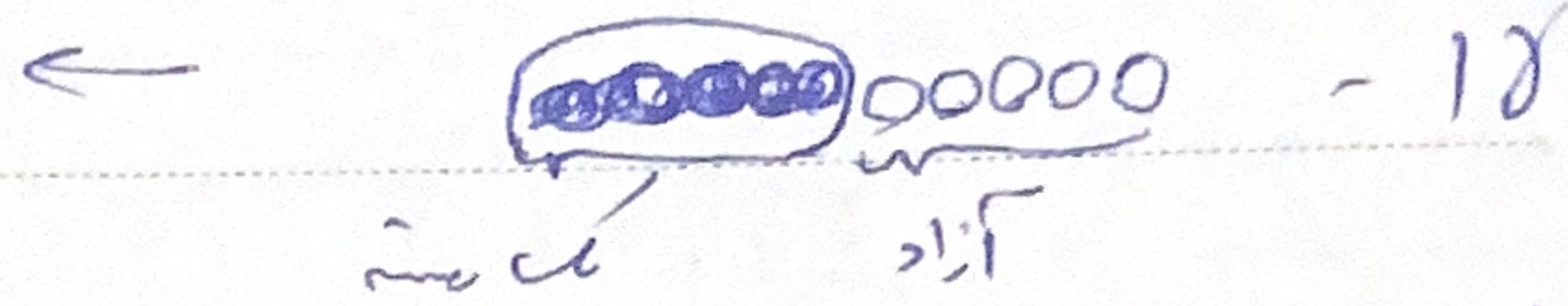
$$\frac{3!}{2!} = 3$$

-12

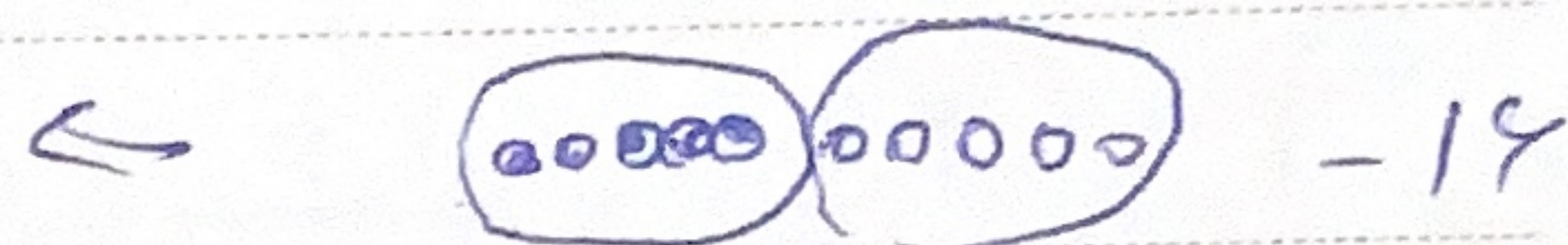
$$4! \times 2! = 1 \times 2$$

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$$4! \times 2! = 1 \times 2 \times 2 \times 2$$



$$4! \times 2! = 1 \times 2 \times 2 \times 2 \times 2$$



$$\binom{4}{2} \times 2! = 1 \times 2 \times 2$$



$$1! = \left(\binom{4}{2} \times 2! + 4! \times 2! \right)$$

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$$4! \times 2! = 1 \times 2 \times 2 \times 2$$

14

$$4! \times 2! = 1 \times 2 \times 2 \times 2$$

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