



$$m = 10$$

$$n = 2$$

$$\binom{m}{n} = \frac{m!}{n!(m-n)!} = \frac{10!}{2!(10-2)!} = \frac{10 \times 9}{2} = 45$$

$$m = 25$$

$$n = 2$$

$$\binom{m}{n} = ?$$

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Discrete Distribution
Combinations

C



$$m = 25$$

$$n = 2$$

$$\binom{m}{n} = \frac{m!}{n!(m-n)!} = \frac{25!}{2! \times 23!} = \frac{25 \times 24}{2} = 300$$