



$$m = 10$$

$$n = 2$$

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

$$m = 13$$

$$n = 3$$

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

5

Discrete Distribution
Combinations

A



$$m = 13$$

$$n = 3$$

$$\binom{m}{n} = \frac{m!}{n!(m-n)!} = \frac{13!}{3!x(13-3)!} = \frac{13x12x11}{3} = 286$$