

(N) magsta (n) tanesimi dogru

fabrini etme shimali

$N \geq n$ shartla.

$$P_N^n = \frac{N!}{n!(N-n)!} \frac{2^{(N-n)}}{3^N}$$

Total

$0! = 1$ alin natijasi.

$n=13$ magin hespi

bunden tahmin etme şansı:

$$\frac{1}{3^n} = \frac{1}{3^{13}} = \frac{1}{1.594.323}$$

13 magta 12 dogru tahmin nisleti:

$$\frac{2n}{3^n} = \frac{26}{1.594.323}$$

13 magtan 11 dogru tahmin nisleti:

$$\frac{\frac{n(n-1)}{1 \times 2} \times 2^2}{3^n} = \frac{312}{1.594.323}$$

13 magtan 10 dogru tahmin nisleti:

$$\frac{\frac{n(n-1)(n-2)}{1 \times 2 \times 3} \times 2^3}{3^n} = \frac{2286}{1.594.323}$$