



$$\left(\frac{k}{N}\right)^{10}$$

$$\left(\frac{k-5}{32}\right)^{10} \leq 0.1$$

$$\left(\frac{k-5}{32}\right)^{10} \leq 0.1 \quad \frac{k-5}{32} \leq \sqrt[10]{0.1}$$

$$\frac{k}{30} \leq \sqrt[10]{0.1}$$

$$k \leq 32 \sqrt[10]{0.1}$$

$$\binom{k}{n} \frac{k-1}{n} \dots \frac{k-10}{n}$$

$$\frac{k \cdot (k-1) \cdot (k-2) \cdot \dots \cdot (k-10)}{n^{10}} = \frac{k!}{n^{10} (k-10)!}$$

$$\approx \left(\frac{k-5}{n}\right)^{10}$$

$$\binom{k}{10} \frac{10!}{n^{10}}$$

$$0.1 = \frac{k!}{n^{10} \cdot (k-10)!}$$

$$k^2 - 20k$$

$$(k-1)(k-9)$$

$$k^2 - 10k + 9$$

$$(k-4)(k-8)$$

$$k^2 - 12k + 32$$

~~$$\binom{k-5}{10} \frac{10!}{n^{10}}$$~~

21

~~$$\binom{k-5}{10} \frac{10!}{n^{10}} = \frac{k^2 - 10k}{n^{10}}$$~~

24

$$-1$$

$$+0.9 - 1$$

$$10 \overline{) 9.0 - 10}$$

$$x = \sqrt[10]{0.1}$$

$$10.9 - 10$$

$$0.05 \sqrt[10]{0.87} - 11$$

$$10 \overline{) 8.64874 - 10}$$

	2
$p = .05$	.74
$p = .1$	.679

$$9.87 - 10$$

$$\frac{N-5}{N \cdot 5} = 2$$

$$\frac{10-x}{10} \cdot 5 = 2$$

$$K = 3LZ + 5$$

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$$K = \frac{3}{4}N + 5$$

$$2.5 \sqrt[10]{10}$$

$$5 \sqrt[10]{10}$$

$$\frac{N}{N} 5$$

$$\frac{N}{N-10} 5$$

$$\frac{N-10}{N} \cdot 5$$

$$\frac{N-5}{N} \cdot 5$$

$$K = \frac{3}{4}N + \frac{N-5}{N} \cdot 5$$

$$= \frac{3N}{4} + \frac{5N-25}{N}$$

$$5 - \frac{25}{N}$$

$$z = \sqrt[9]{.05} \quad \sqrt[9]{.10} \quad \sqrt[10]{.05} \quad \sqrt[10]{.10}$$

$$\log_{10} u \quad 8.7-10 \quad 9.0-10 \quad 8.7-10 \quad 9.0-10$$

$$= 88.7-90 \quad 89.0-90 \quad 88.7-100 \quad 91.0-100$$

$$\frac{\log u}{100} = 9.866-10 \quad 9.889-10 \quad 9.87-10 \quad 9.9-10$$

$$z = 0.735 \quad 0.774 \quad 0.741 \quad 0.794$$

7490

7890

0001 60%

005 75%

001 80%

$$\sqrt[10]{.01}$$

$$8.0-10$$

$$88.0-100$$

$$9.8-10$$

$$63.0$$

$$\sqrt[10]{.01}$$

$$8.0-10$$

$$88.0-90$$

$$9.666-10$$

$$9.777-10$$

$$59.9$$

$$24+3 \approx 27$$

~ 60

10(1-p)

$$K = p \cdot N + \frac{N - p \cdot N}{N} \cdot X^5$$

$$10 = \beta \cdot N +$$

$$10 = \beta \cdot 10 + \frac{10-x}{10} \times 5$$

$$1 = \beta + \frac{10-x}{10} \times \frac{1}{2}$$

$$1 - \beta = \frac{10-x}{20}$$

$$20 - 20\beta = 10 - x$$

$$x = 10 - 20 + 20\beta$$

$$= 20\beta - 10$$

$$K = \beta \cdot N + \frac{N - 20\beta + 10}{N} \cdot 5$$

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