Gravitational acceleration in Germany

$$9,81\,\frac{m}{s^2}$$

pq formula

$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q}$$

Quadratic formula

$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Catalan numbers

$$C_n = \frac{1}{n+1}\binom{2n}{n} = \frac{(2n)!}{(n+1)!n!}$$

Definition of a factorial

$$n! = \prod_{i=1}^{n} i$$

Set of all odd natural numbers

$$\{x \mid x \in \mathbb{N}, \mathrm{odd}(x)\}$$

Elimination $\neg\exists x$

$$\neg\exists x.p(x) \Leftrightarrow \forall x.\neg p(x)$$