## $2^{100} = 10633823966279326983230456482242756608$

$$(x + y)^3 = x^3 + 3x^2y + 3xy^2 + y^3$$

$$(x + y)^3 = x^3 + 3x^2y + 3xy^2 + y^3$$
$$(x + y)^4 = x^4 + 4x^3y + 6x^2y^2 + 4xy^3 + y^4$$

$$(x + y)^{3} = x^{3} + 3x^{2}y + 3xy^{2} + y^{3}$$

$$(x + y)^{4} = x^{4} + 4x^{3}y + 6x^{2}y^{2} + 4xy^{3} + y^{4}$$

$$(x + y)^{5} = x^{5} + 5x^{4}y + 10x^{3}y^{2} + 10x^{2}y^{3} + 5xy^{4} + y^{5}$$

## $\label{eq:Gedampfter} \text{Gedämpfter exponentieller Zerfall } a+b=c$

