Potenzen von (a+b)

$(a+b)^0 = 1$

$(a+b)^1 = 1a + 1b$

$(a+b)^2 = 1a^2 + 2ab + 1b^2$

$(a+b)^3 = 1a^3 + 3a^2b + 3ab^2 + 1b^3$

$(a+b)^4 = 1a^4 + 4a^3b + 6a^2b^2 + 4ab^3 + 1b^4$

$(a+b)^5 = 1a^5 + 5a^4b + 10a^3b^2 + 10a^2b^3 + 5ab^4 + 1b^5$

$(a+b)^6 = 1a^6 + 6a^5b + 15a^4b^2 + 20a^3b^3 + 15a^2b^4 + 6ab^5 + 1b^6$

$(a+b)^7 = 1a^7 + 7a^6b + 21a^5b^2 + 35a^4b^3 + 35a^3b^4 + 21a^2b^5 + 7ab^6 + 1b^7$

$(a+b)^8 = 1a^8 + 8a^7b + 28a^6b^2 + 56a^5b^3 + 70a^4b^4 + 56a^3b^5 + 28a^2b^6 + 8ab^7 + 1b^8$

$(a+b)^9 = 1a^9 + 9a^8b + 36a^7b^2 + 84a^6b^3 + 126a^5b^4 + 126a^4b^5 + 84a^3b^6 + 36a^2b^7 + 9ab^8 + 1b^9$

$(a+b)^{10} = 1a^{10} + 10a^9b + 45a^8b^2 + 120a^7b^3 + 210a^6b^4 + 252a^5b^5 + 210a^4b^6 + 120a^3b^7 + 45a^2b^8 + 10ab^9 + 1b^{10}$

Potenzen von (a-b)

$(a-b)^0 = 1$

$(a-b)^1 = 1a - 1b$

$(a-b)^2 = 1a^2 - 2ab + 1b^2$

$(a-b)^3 = 1a^3 - 3a^2b + 3ab^2 - 1b^3$

$(a-b)^4 = 1a^4 - 4a^3b + 6a^2b^2 - 4ab^3 + 1b^4$

$(a-b)^5 = 1a^5 - 5a^4b + 10a^3b^2 - 10a^2b^3 + 5ab^4 - 1b^5$

$(a-b)^6 = 1a^6 - 6a^5b + 15a^4b^2 - 20a^3b^3 + 15a^2b^4 - 6ab^5 + 1b^6$

$(a-b)^7 = 1a^7 - 7a^6b + 21a^5b^2 - 35a^4b^3 + 35a^3b^4 - 21a^2b^5 + 7ab^6 - 1b^7$

$(a-b)^8 = 1a^8 - 8a^7b + 28a^6b^2 - 56a^5b^3 + 70a^4b^4 - 56a^3b^5 + 28a^2b^6 - 8ab^7 + 1b^8$

$(a-b)^9 = 1a^9 - 9a^8b + 36a^7b^2 - 84a^6b^3 + 126a^5b^4 - 126a^4b^5 + 84a^3b^6 - 36a^2b^7 + 9ab^8 - 1b^9$

$(a-b)^{10} = 1a^{10} - 10a^9b + 45a^8b^2 - 120a^7b^3 + 210a^6b^4 - 252a^5b^5 + 210a^4b^6 - 120a^3b^7 + 45a^2b^8 - 10ab^9 + 1b^{10}$