

## Képletgyűjtemény Vállalati Pénzügyekből

$$1. c = S * N(d_1) - X * e^{-r_f * T} * N(d_2) \quad 2. d_1 = \frac{\ln\left(\frac{S}{X}\right) + r_f * T}{\sigma * \sqrt{T}} + \frac{\sigma * \sqrt{T}}{2}$$

$$3. d_2 = d_1 - \sigma * \sqrt{T} \quad 4. m = \frac{S * (u - d)}{c_u - c_d} \quad 5. c = \frac{c_u * \left(\frac{e^{r_f * t} - d}{u - d}\right) + c_d * \left(\frac{u - e^{r_f * t}}{u - d}\right)}{e^{r_f * t}}$$

$$6. m = \frac{S * (u - d)}{p_u - p_d} \quad 7. p = \frac{S * (d - e^{r_f * t}) + m * p_d}{m * e^{r_f * t}} \quad 8. u = e^{\sigma * \sqrt{\frac{T}{n}}} \quad 9. F = S * e^{(r-d) * t}$$

$$10. p = X * e^{-r_f * t} + c - S \quad 11. NPV = \sum_{i=1}^n p_i * NPV_i \quad 12. S(NPV) = \sqrt{\sum_{i=1}^n p_i * (NPV_i - NPV)^2}$$

$$13. Q = \sqrt{\frac{2 * U * F}{CP}} \quad 14. Q = \sqrt{\frac{2 * U * F}{CP * \left(1 - \frac{d}{r}\right)}} \quad 15. C = \sqrt{\frac{2 * D * F}{i}}$$

$$16. ANPV = NPV_I + NPV_F + C + P \quad 17. Q = 3 * \sqrt[3]{\frac{C * \sigma^2}{i}} \quad 18. r^* = r - L * T * r_d * \frac{1+r}{1+r_D}$$

$$19. r^* = r * (1 - T * L) \quad 20. GPV = \sum_{k=1}^n \frac{CF_k}{(1+r)^k} \quad 21. V_T = D * T_C$$

$$22. WACC = r_E * \frac{E}{D+E} + r_D * (1 - T_C) * \frac{D}{D+E} \quad 23. r_E = r_A + (r_A - r_D) * \frac{D}{E}$$

$$24. IRR = r_A + \frac{NPV_A}{NPV_A - NPV_F} * (r_F - r_A) \quad 25. r_p = \sum_{i=1}^n w_i * r_i$$

$$26. s_p = \sqrt{\sum_{i=1}^n \sum_{j=1}^n w_i * w_j * s_i * s_j * R_{ij}} \quad 27. AF_{r,n} = \frac{(1+r)^n - 1}{(1+r)^n * r} \quad 28. ARR = \frac{\frac{1}{n} * \sum_{i=1}^n E_i}{P_0}$$

$$29. KE = \frac{P_0}{AF_{r,n}} \quad 30. IM = \prod_{j=1}^n (1 + i_j)^j \quad 31. P = c * \frac{1 - \left(\frac{1+g}{1+r}\right)^n}{r-g} \quad 32. PI = \frac{GPV}{P_0}$$

$$33. w_D = \frac{\sigma_E^2 - Cov(r_D : r_E)}{\sigma_E^2 + \sigma_D^2 - 2 * Cov(r_D : r_E)} \quad 34. \beta_i = \frac{Cov(r_i, r_m)}{\sigma_m^2} \quad 35. \beta_A = \frac{\sum_{i=1}^n w_i * Cov(r_A, r_i)}{\sigma_m^2}$$

$$36. E(r_i) = r_f + [E(r_m) - r_f] * \beta_i \quad 37. \beta_A = \frac{w_A * \sigma_A^2 + w_B * \sigma_A * \sigma_B * R_{AB}}{\sigma_m^2}$$

$$38. NPV = -P_0 + \sum_{i=1}^n \frac{C_i}{(1+r)^i} \quad 39. DIV_1 = DIV_0 + \alpha \times (\beta \times EPS_1 - DIV_0)$$