$$2^0 = 1$$

$$2^1 = 1 + 1 = 2$$

$$2^2 = 1 + 2 + 1 = 4$$

$$2^3 = 1 + 3 + 3 + 1 = 8$$

$$2^4 = 1 + 4 + 6 + 4 + 1 = 16$$

$$\vdots$$