

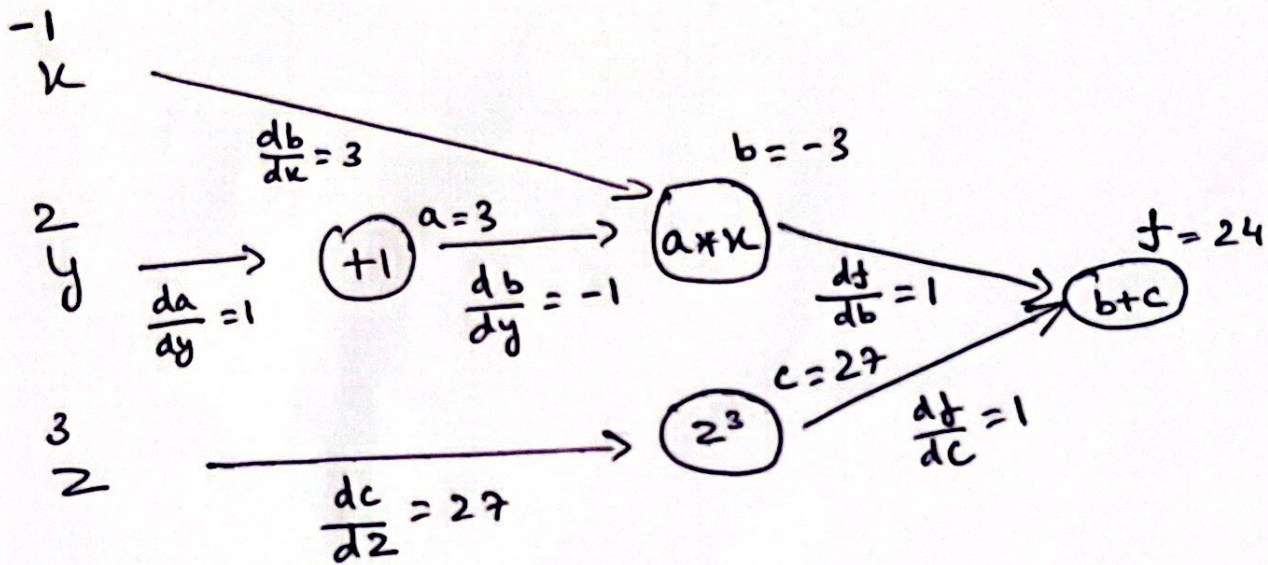
## ASSIGNMENT 2

Solution 1:-

$$\text{Equation} = f = k * y + 2^3 + k$$

$$f = k(y+1) + 2^3$$

Computational Graph :-



$$\frac{df}{dk} = \frac{df}{db} * \frac{db}{dk} \Rightarrow 1 * 3 = \boxed{3}$$

$$\frac{df}{dy} = \frac{df}{db} * \frac{db}{da} * \frac{da}{dy} \Rightarrow 1 * (-1) * (1) = \boxed{-1}$$

$$\frac{df}{d2} = \frac{df}{dc} * \frac{dc}{d2} \Rightarrow 1 * 27 = \boxed{27}$$