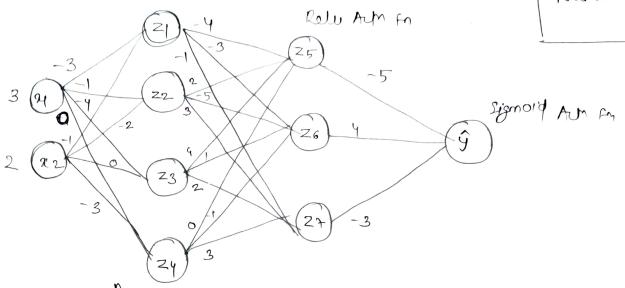
Row Acm Fr

W0=3

Rollno - DO 13 Nami - Muhir Reuf



$$Z = \omega_0 + \frac{n}{z} \omega_i X_i$$
, Relu =  $\max(0, z)$ , agmord =  $\frac{1}{1 + e^{-z}}$ 

Iteration for hidden wayon 1

$$21 = 3 + (3x-3) + (2x-1)$$

$$= \frac{3 + (-9) + (-2)}{21 = -8}$$

$$Z_2 = 3 + (2x - 2) + (3x - 1)$$

$$73 = 3 + (3x - 4) + (2x6)$$

$$2y = 3+(3x0)+(2x-3)$$

Applying action on 21 = Relu(0, -8) = max(0, -8) = 022 = Rew (0,-4) = map (0,-4) = 0 23 = Rew 10,-9) = may (0,-9) = 0 Zy = Rel (0,-3) = may (6,-3) =0 Iterar for hidden layer 2 25 = 3+ (0 x-4)+(0x2)+(0x4)+(0x6) 25 = 3 26 = 3 + (0x - 3) + (0x - 5) + (0x - 1) + (0x - 1) $z + = 3 \times (0 \times -1) + 10 \times 3) + (0 \times 2) + (0 \times -3)$ Z 7 = 3 Arrlying auticals for 25 = Pelm (0,3) = max (6,2) = 3 26 = Rem (0/3) = wax (0/3) = 3 22 = New (0,3) = max (0,3) = 3

$$\hat{y} = 3 + (3x - 5) + (3x + 4) + (3x - 3)$$

$$= 3 - 15 + 12 - 9$$

$$= -12 + 12 - 9$$

9 = -9

Arrlying aut m
$$\hat{y} = \frac{1}{1 + e^{-(-9)}} = \frac{1}{1 + e^{-}} = 0.0001234$$