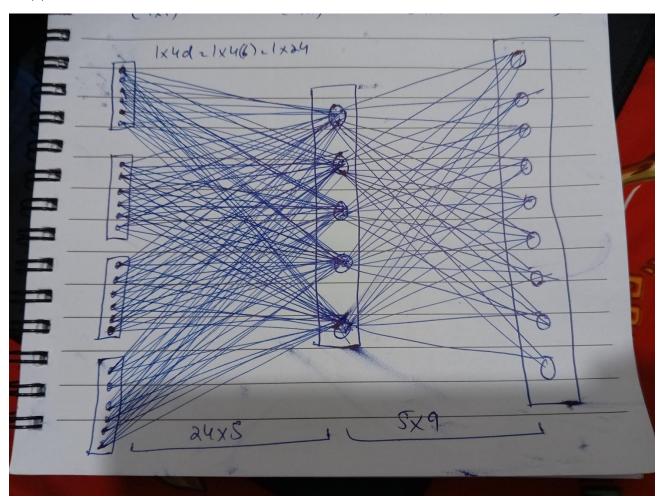


- (b) Total Number of Parameters= (6*9) + (5*6) + (9*5) + (5*5) = 154
- (c) Total Number of Parameters= 154, if the input sequence is increase to 10

Q2 (a)



$$e = (Ex_1, Ex_2, ..., Ex)$$

 $h = \sigma(We + b)$
 $z = Uh$
 $y = \text{softmax}(z)$

- (b) Total Number of Parameters= (24*5) + (5*9) = 165
- (c) Total Number of Parameters= (10*6*5) + (5*9) = 345