$$P = C_{h}^{k} P^{k} (1-p)^{n-k}$$

$$= (k=0), you mined all shats)$$

$$= (0.0) 0.9^{n}$$

$$= (0.0) 0.9^{n}$$

$$= (0.2) = 0.21 = 0.79$$

$$(0.9) P = 0.21 = 0.79$$

$$(0.9) P = 0.9 = 0.81$$

Q2) ₁₃₁ => 10000011

It will go to the 1 output interface as the most bits match from

131.22.0.0/15 to 131.23.151.76 in compariosn to other prefixes Q3)

1. Next Hop D 2. Next Hop B 3. Next Hop D