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

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

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

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

$$= (0.0) 1-P=0.79$$

$$A=15, P=0.21=D1-P=0.79$$

$$A=16, P=0.19 = 1-P=0.81$$

It will send the packet to 10.1.5.64/29 as most bits match the destination and thus the packt will be sent to

23 => 00010111 153 => 10010111

76 => 01001100 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 C

3. Next Hop D