$$P = _{\Lambda}C_{j}P^{j}(1-P)^{\Lambda-j}$$
 $j = 0$ ($_{\Lambda}: _{S} cd uM _{S} bd _{S}$)

 $= _{\Lambda}(_{0}0.1^{\circ}0.9^{\circ})$
 $= _{\Lambda}(_{0}0.9^{\circ})$
 $= _{\Lambda}(_{0}0.9^{\circ})$

Q1

10 => 00001010

1 => 00000001

5 => 00000101

65 => **01000**001

Packet will be sent to 10.1.5.64/29 as most bits match the destination.

```
131 => 10000011
23 => 00010111
153 => 10010111
76 => 01001100
```

Packet will be forwarded to output interface 1 as most bits match source to destination.

Q3

192.24.6.0 -> next hop is D

192.24.14.32 -> next hop is B

192.24.54.0 -> next hop is D