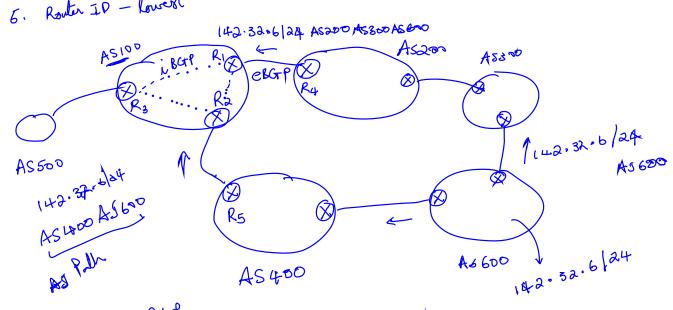
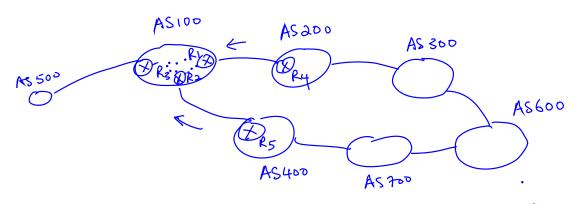
## BGP

- 1. LOCAL PRÉP -> largest
- AS PATH -> shortest
- MED Lowert
- e Bar learned route over iBar bankad one
- 5. Hot Potato routing
- 6. Router ID lowerst



- 1) If want all roters in AS100 to use the top route (A6200 A5300 A5600) admin of ASION can set LOCAL-PREF highest for
- 2) Suppose we want all routers to use the lower route A5400 - A8 600

  - (i) By default all will use the shatest AS-PATH (no need to set LOCAL-PREF highest for this path)



Suppose LOCAL-PRÉF and MED are some for both paths

Path 1: AS 200 - 300 - 600

Path 2: AS 400-700-600

R1: learned Paths over eBlip; Patha over iBlip

Ra: 11 - Putha -11- ; Path -11-

R3: both over iBUP

R1 was Path 2 IGP watrie
R2 was Path 2 IGP watrie
St dist (R3, R1) < dist (R3, Ra) Itran
R3 was path 1 (Hat Pthus)

AS 100 R3

R3

R11

R4

R4

R5 100

R4

R12

R2

R5

with rune?

So	etities	

Suppose Rq, R11, R12 have no BGP information DST Next

Ex in Rals table

142.32.6/24 ->7.7

R2 R3

(P plat

R, receives their plat, strips off order IP larger, funds the "interval plet" to R4

DST R<sub>2</sub> R<sub>3</sub> Ri's table 142.32.6 24

All voites are Blop spalers in AS100

