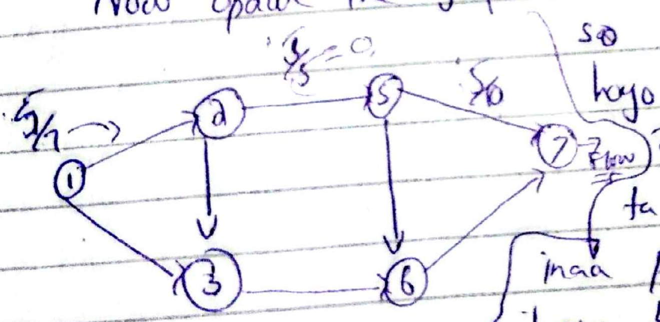
→ Means in Ford Fulkerson asaan khai keh beh agmenting path mean bottle kneck capacity find kar k hoondi aly

Like this:

Augmenting Path	Bottleneck capicity:
1→2→5→7	5

So for given path 1→2→5→7 Bottleneck capicity will remain 7 or 5 and 10 weight 5 is the minimum, Bottleneck capicity.

Now update the graph.



So asaa select kayo hayo path 1 to 2 and 2 to 5 and 5 to 7 ta initially flow inaa path jo sirf 0 hoyo but haany assaan khei minimum miliwayo aahy ta sirf uha path khai minimum assign kay. like.

and Now next aaan khei resudial capacity find kar ji aahy - which is original capacity - current flow.

$Rc = C - F_i$

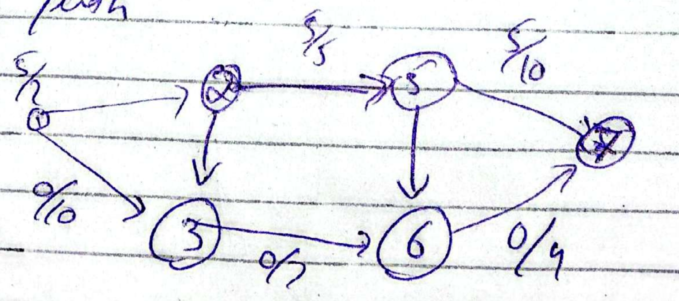
7-2=2 for 1 to 2 path / and 2 to 5 path rasidual capacity is 5-5=0 and 10-5=5 per asaan

S-S=0 wagri path khei block kandeasjasi mens jity jity reseedual caprity agaangi zero achi waye uho path asaan block kandeasi.

=> Now choose the different path. means another path.

Agmenting path	Bottleneck caprity
1→2→5→7	5
1→3→6→7	4.

Now find bottle neck caprity for this path

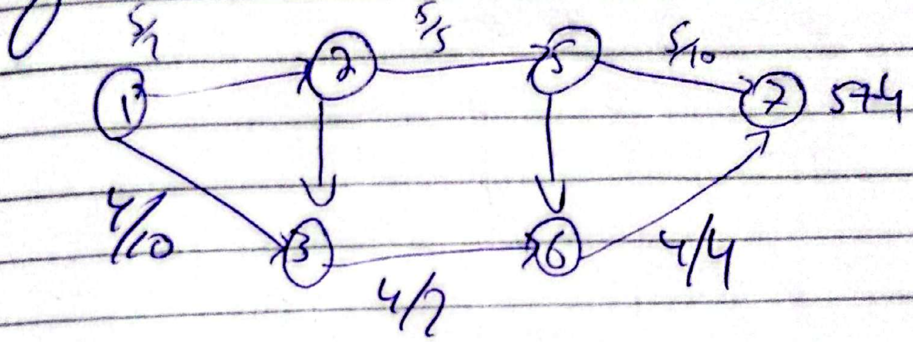


and from this path oro minimum Bottle neck caprity is 4.
and Now for this find the Residual caprity

for

10-4 800 1 to 3.
7-4 800 3 to 8
9-4 500 · 6 to 7

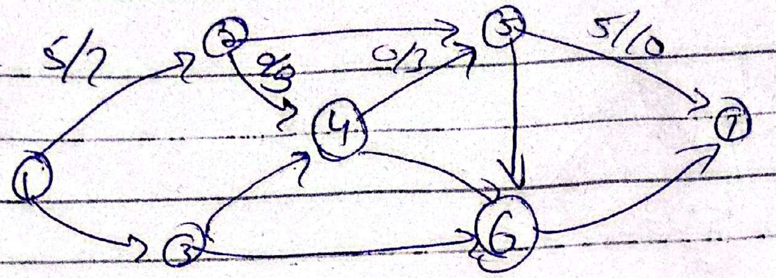
for path 5 to 7 2010 ... to Chokbark kay shadeendass.
and last mai usaan flow khai add to kandaasi.



→ now choose another path.

1 sai 2 ~~4~~ → 5 → ~~7~~

Agmenting path	Bottleneck capacity
1→2→5→7	5
1→3→6→7	4
1→2→4→5→7	



ta hina given path mai bottle neck capacity is 2:

beause

7−5=2 for 1 to 3 path.

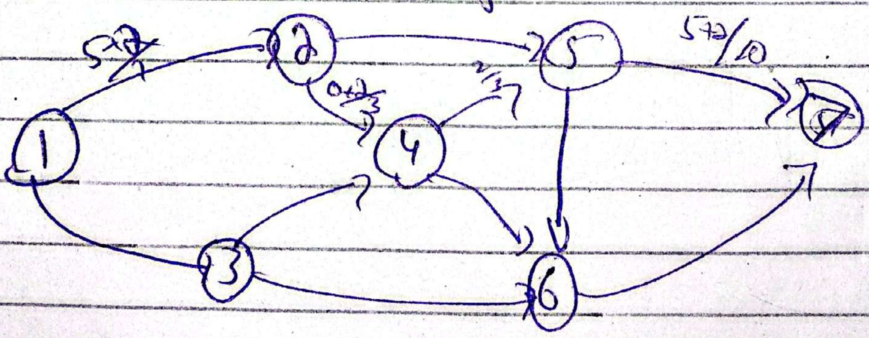
2 to 5 is 3−0. =3

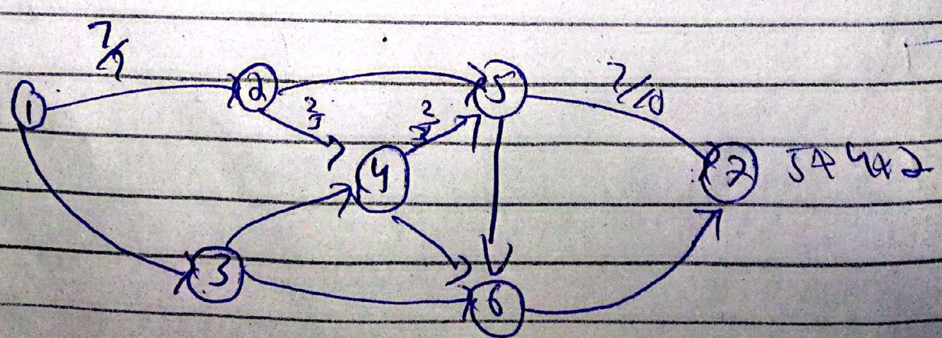
4 to 5 is again 3−0=3

5 to 7 = 10−5= 5

so min is 2.

ta haany Bottleneck capacity and 5 jeko 1 to 2 wary path mai ahy usa kahi add kandeng:





haany diso ity bi for 1 to 2
7/7 ma ji residual capacity zero
theend ts iya b asaan path
block kardeay.i

tu agar flow kahi add kayo
Bottle kheck jeko 2 mily
flow 5+4+2

→ Now go to the

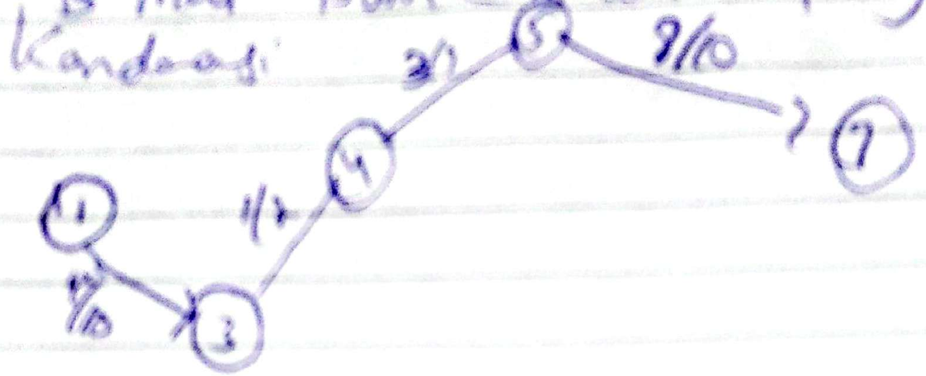
1 sai 3 and 3 sai 4
and 4 sai 5 and 5 sai 7

Ag path	Bottle neck
1→2→5→7	5
1→3→6→7	4
1→2→4→5→7	2
1→3→4→5→7	1

Bottle neck is 1 becase
10-4=6 and 2-0 = 2 and 3/1 = 1
10-7 = 3
and 1.0 min

te po flow mai as a 1
add kery stadeed chasyi agaan.

to hmne uss PN ke path
K mai Bottle Neck capacity add
Kardaagi



to hmny residual capacity 0 the
wound 4 to 5 wung path jo
har the block Kardaagi

→ to mana hmny again wuf
b/o path nahy to iN k khari
hee again add Kardaagi
flow khe ty the hi again
jo max flow

Maximum flow through the
given network is 5+4+2+1 = 12