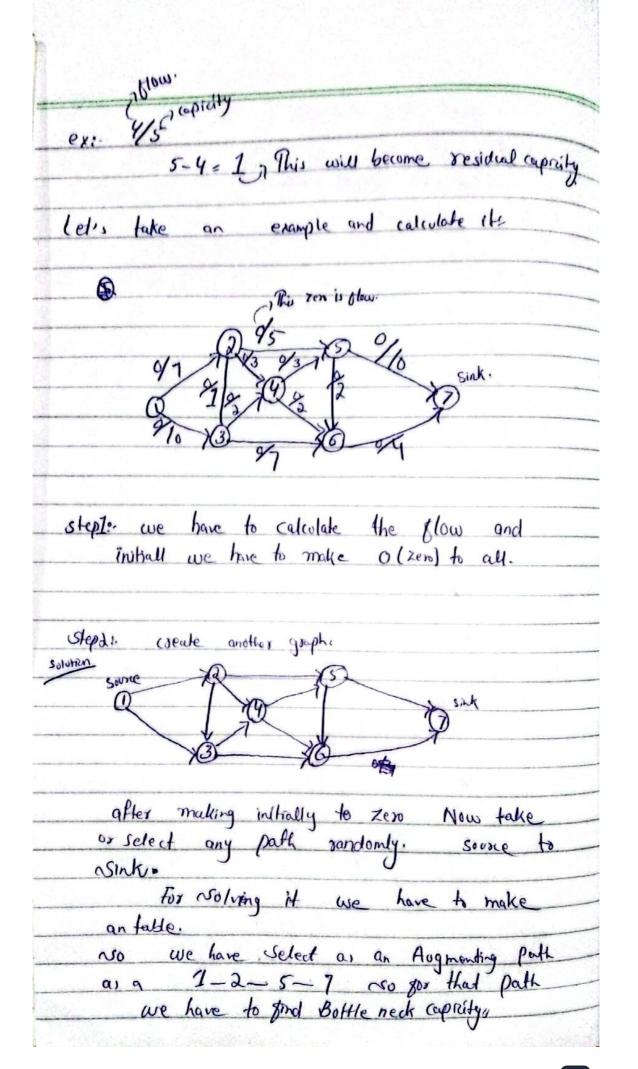
Ford Fulkerson Algorithams for Max flower Find the maximum glow through the given network using gord gulkerson algorithans. y The good gulkerson method is used for solving maximum glow problem. a 2 Basic termse. · csink · capicity and bottle neck capicity. . How · Augmenting Path.
· Residual capitity. y The roome vertex has all outward edge. no inword edge. 2 Sink will have all inword edge, no outword edge. Notes in Given graph on is the source yestex. while my have an asink edge. 13, capitaly: weight Hw from one restex to another. while Bottle neck capitaly of the we find por the capacity of the path. is the minimum capitally of the path any edge on the path

ex: like in given graph 1 to 2 to it's weight is capitally name 2 to 5 weight is
is capicity some 2 to 5 weight is
Known as capicity.
V
-> Note we we Bottle kneck capacity for the path.
like example we have chosen some n to 17
as a path.
No 1 to 2 and 2 to 5 and 5 to 7
restex on that Path 7,5, 10 weight which
eaprity.
and 7,5, and lo so 5 is minimum
known as bottle keck capicity.
4 glows. 4/5
4 glows. 15
O to the second
5, Augmentry Bathe when we are printing capitally
prom 1 to 2, 2 to 5 and 5 to 7
our Botte Kneck capacity, so that whole path is
Called Augmentry Path.  1 to 2, 2 to 5 and 5 to 7  1's Known as augmentry Path.
1 to 2, 2 to s and s to 1
9s known as augmosty Part.
6 Residual capacitys Every edge of
a residual graph has a rabe called
9 Residual capitalys Every edge of a residual graph has a rate called residual capitally. Which is easied to original
Capicity minus custers stown
sol. Residual capition = Original capatry =
comont flow.



Like thise			
Augmen fin 1 → 2 → 5 - 7		Bollleneck	capicity : .
so for given par will remain the minimum,	1 1-2-) 5 7 03 5 Bollle neck	5-27 Bottle new and to weigh capicity.	k cupacity t 5 is
so for given par will remain the minimum,	1 1-2-) S Bollle neck	and to weight	k cuprety t 5 is