Jul 30

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Prop 3 If P is a simple s-t path in
$$g_{\epsilon}$$
,
then $v(f') = v(f) + b \cdot k \cdot v(f') > v(f)$

bottleneck (P, f)

dowl ofs douts of s

C out of s

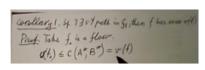
Corollary FFA terminates

Let |E|= m & |V| = n m = 1/2

0 (m+n) = 0 (m)

Proof To build 3+ # VEV R1= {(V, U); VEV} O(h) R2 = {(v, v); V < V }

Updating g to g = O(m)



Corollary | If 17 s.E. path in gf, then f has mak V(4)

Proof Take to is a flow

Corollary 2 (A*, B*) has min Capacity

Flow Networks Chapter