

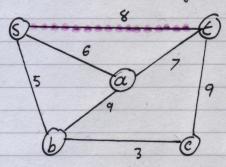
· Start state: (2 ero sten)

(S)

6 0

0

Residual retnode + glar:

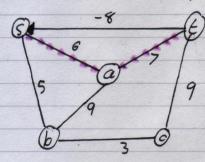


· With new flow:

© 8 (C)

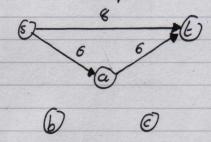
0

Residual retwork + glan:

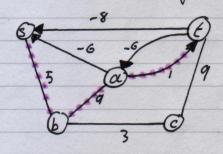


· With new plan:

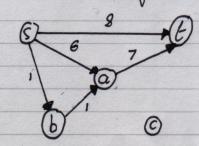
(b)



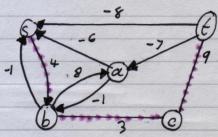
Residual network + plan:



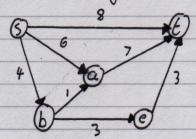
· With ren glan:



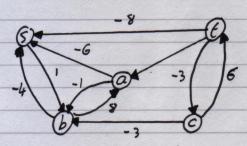
Residual Network + plan:



· With new ylaw:



Residual retwork:



The algorithm has finished, because no path from 5 to E exists in the residual network.

The Edmonds-karp algorithm uses a breadth first search from s. This search reaches only a and b, and therefore the minimum cut is defined as:

S= {s, a, b}

7= { 6, c }

The value of this cut, and the maximum flar, is 18.

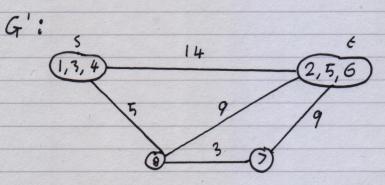
2. Parent: [13, {23}

No collapsing is n

18.

No collapsing is necessary. The max plan from 5 to E is 18.

Child: {1,3,4}, {2,5,6}



The max plan/bound is 19.

Child: {1,3,4,6}, {2,5,7,8}

G': 29 (2,5,7,8)

The max flow/bound is 29.