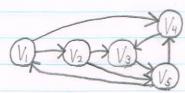
Tutorial:



3

II) 45=0

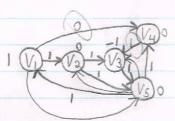
$$e_6 = y_2 - y_5 = 1 \Rightarrow y_2 = 1$$

 $e_1 = y_1 - y_2 = 1 \Rightarrow y_3 = 0$ $e_4 = y_2 - y_3 = 1 \Rightarrow y_3 = 0$

皿)

Problems:

1 ASK for the que network of Gb with Vs as the root!



Are from V5 to V2 & V3 & V1 to V5 to Complete Aux. Network

(2) trees determined by x* but NoT Strongly Seasible:

USE V3 as Source:

In both eases, the path la with weight zero leads to the rook

3

1) T= [e1, e2, e4, e6], N= ANT=[e3, e5, e7, e8]

II) ys=0

e6: 22-45=1 So 42=1

e4: 42-43 = 1 So 33=-2

 $e_1: y_1 - y_2 = 1 = 2$

ea: 41-44=0=> 44=2

II)

e3: 45-4=0-2=-2×1

Ps: 44-43 = 2-(-2)=4>1

II) C= {e1, e2, e4, e5}

I) Not a dicycle

II) R={e1,80,e13,0=min{1,0,1}=0 thus r=e2

VII) update: T= {e1, e4, e5, e6}

(Note: x* is the Same) - > x = [10010000]