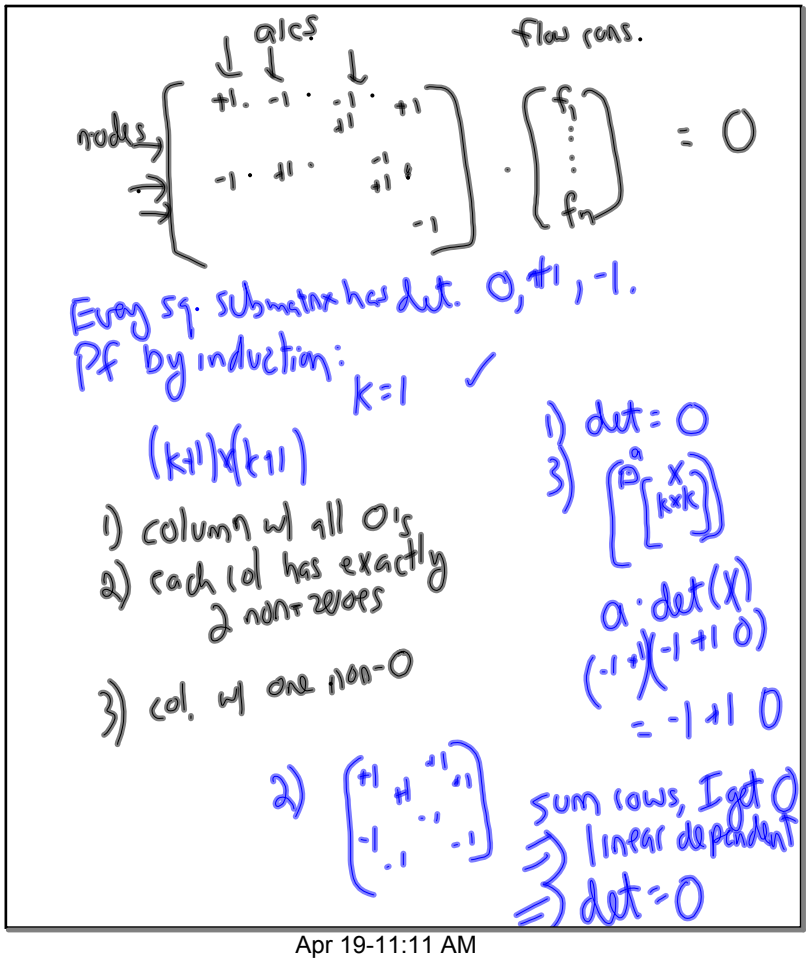
basic feasible soln
x_B, there is an assoc. basis matrix B
s.t.

$$B x_B = b$$

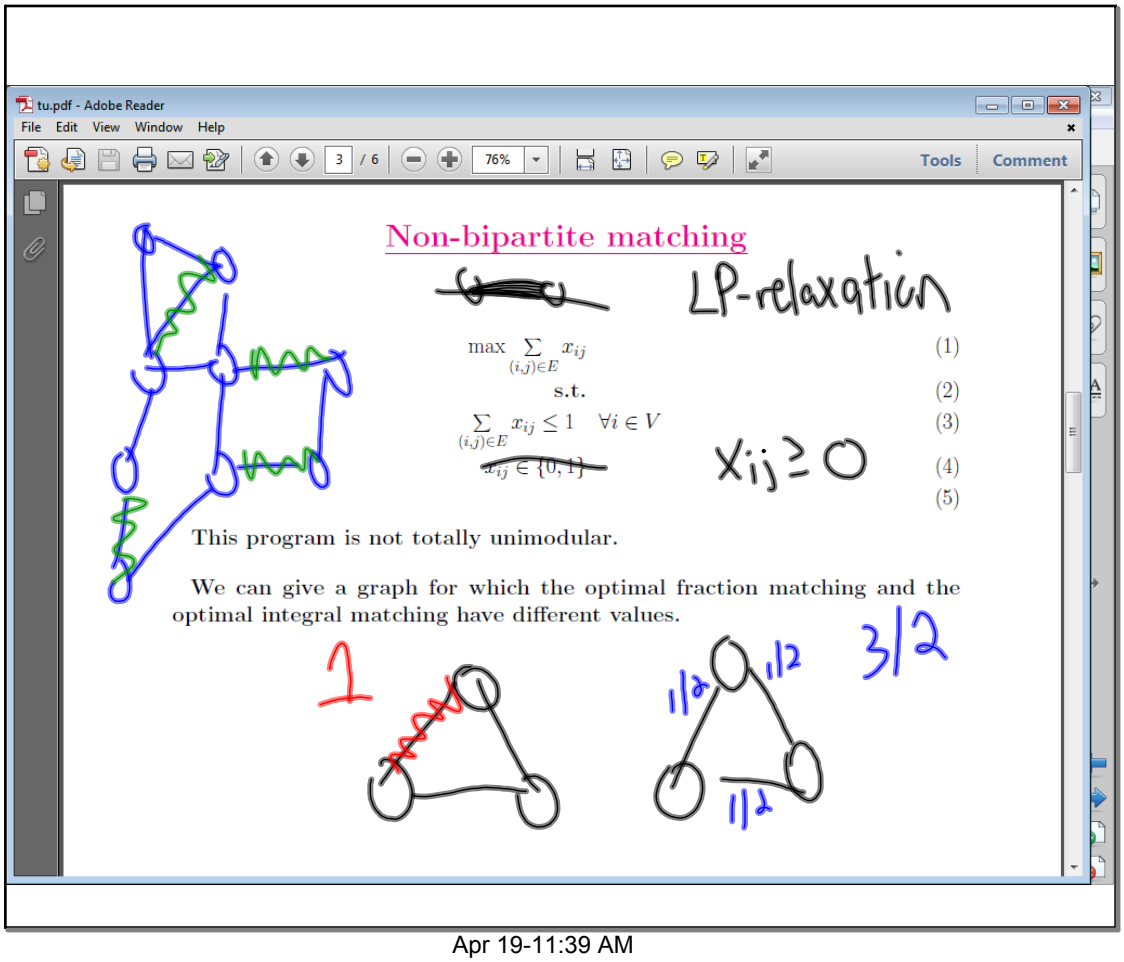
solve for x_B, by Cramer's rule, an entry of x_B, $x_i = \frac{\det(\text{int. matrix})}{\det(B)}$

$$= \frac{\text{int}}{+,-1} = \text{int.}$$

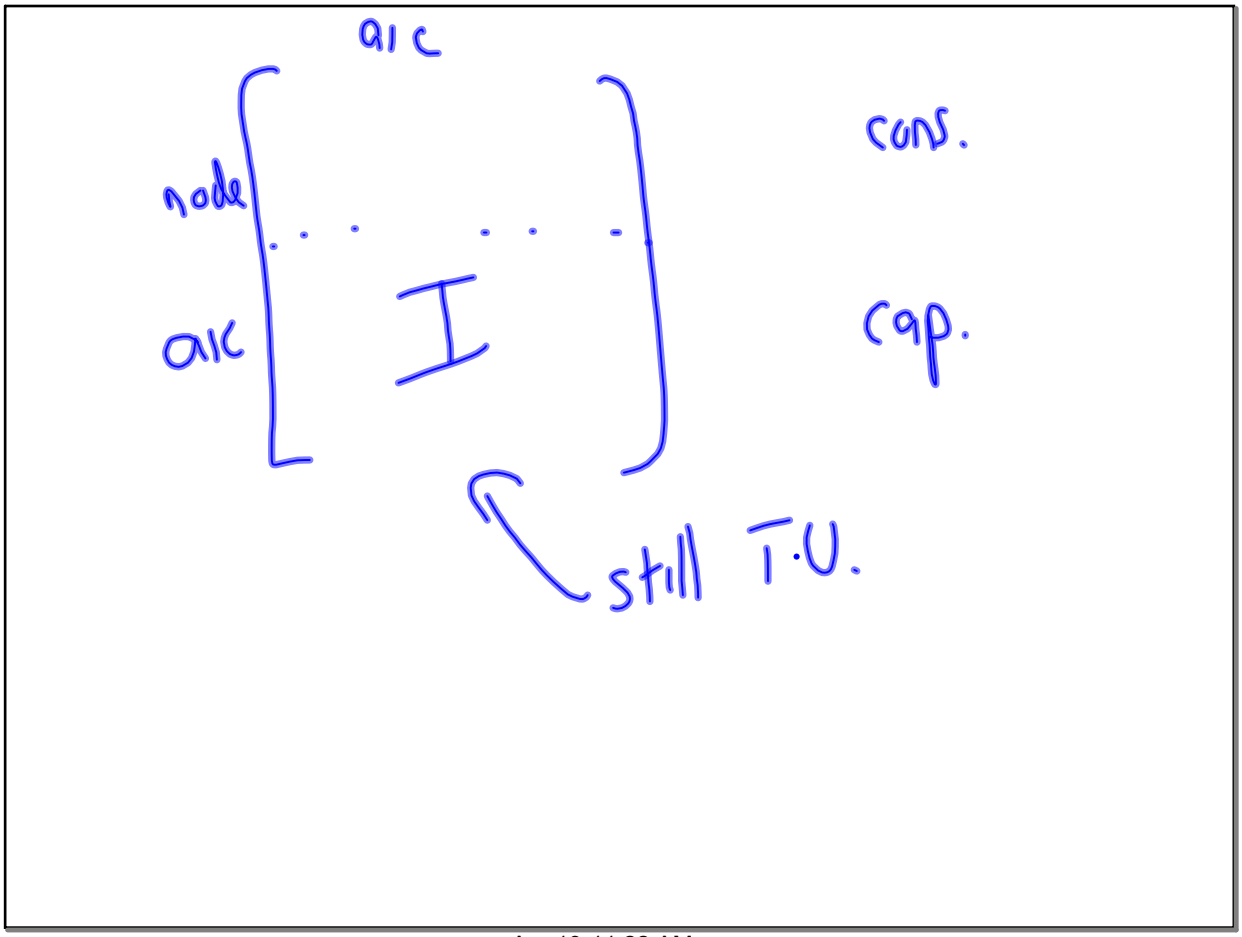
Apr 19-10:35 AM



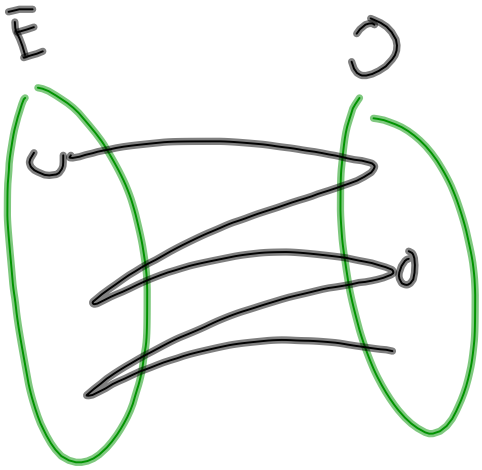
Apr 19-11:11 AM



Apr 19-11:39 AM



Apr 19-11:22 AM

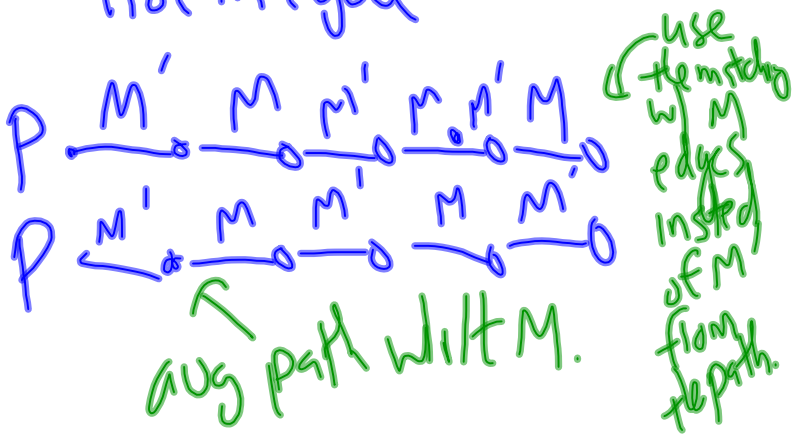


Apr 19-11:41 AM

P M M' opt. matching. If P is unmatched in M', done

Assume P is matched in M'. $M \oplus M'$

P not empty not in cycle



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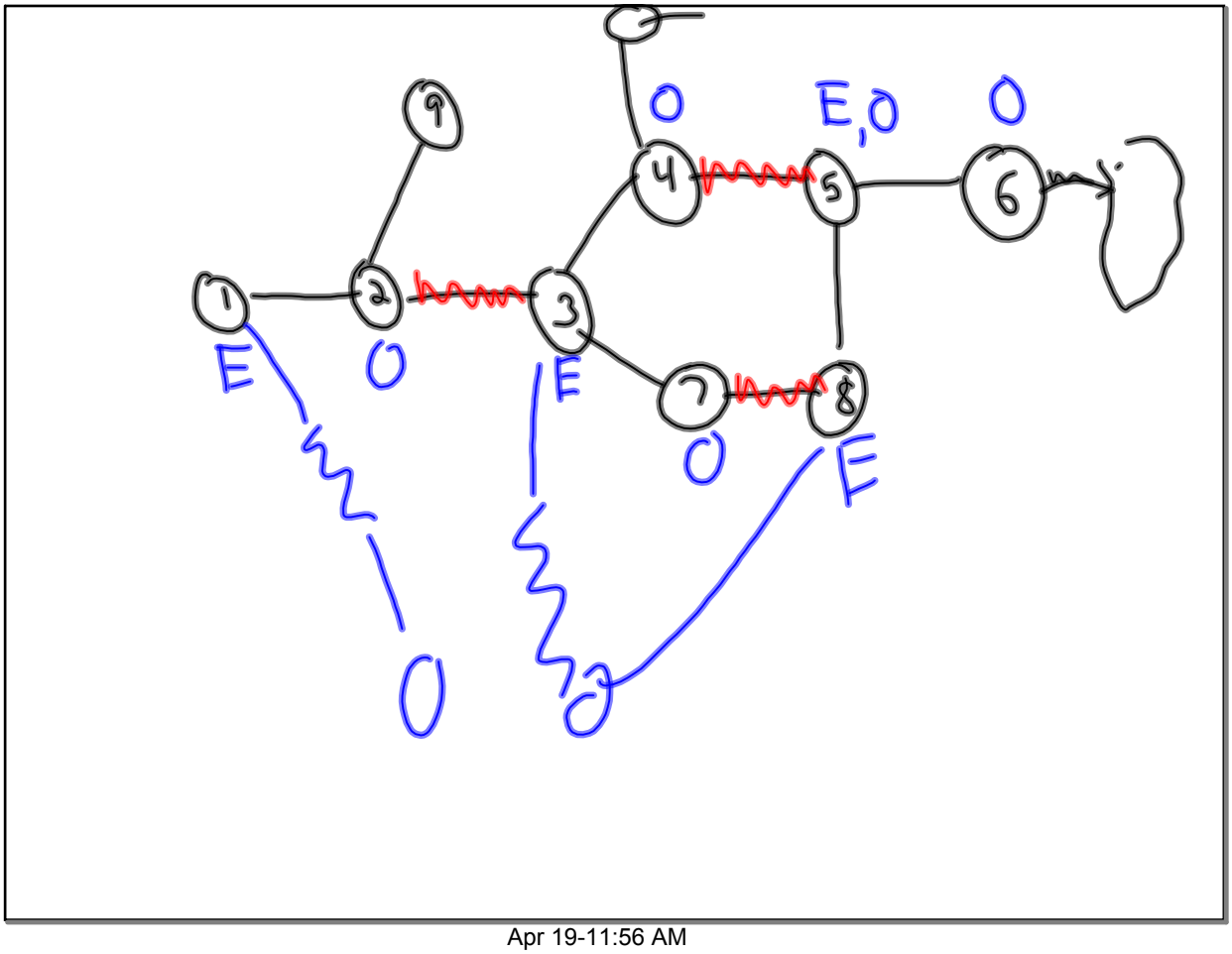

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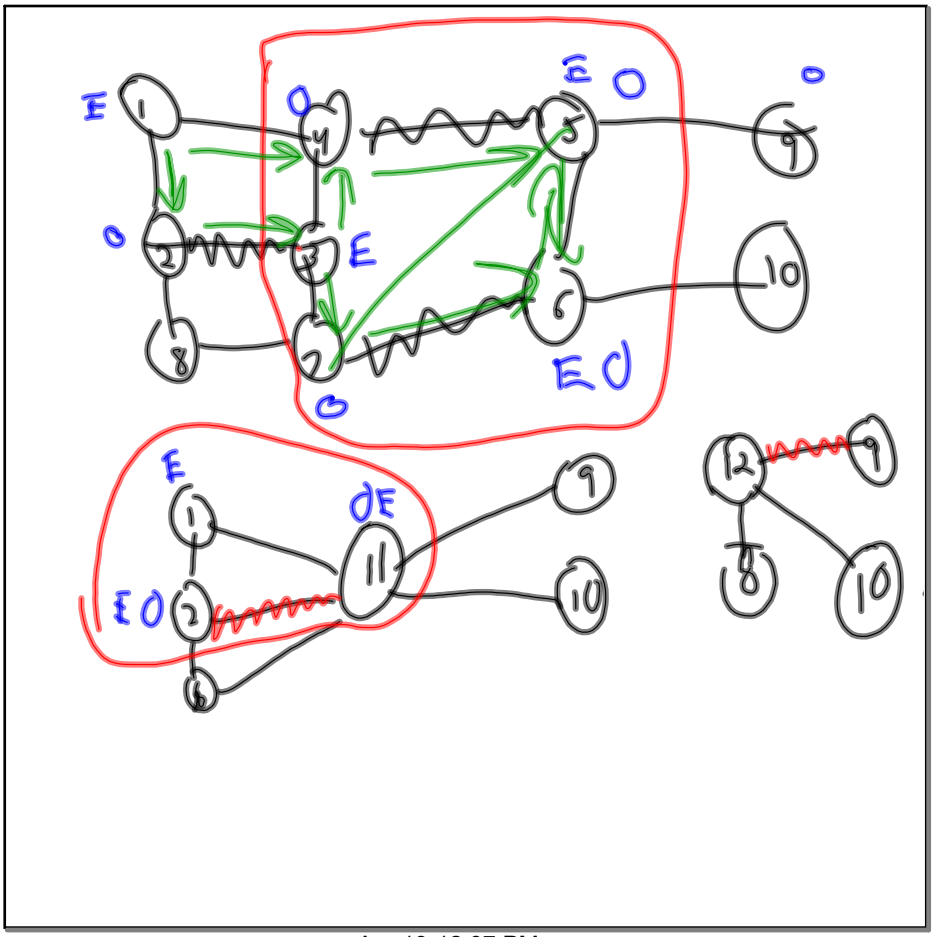

Apr 19-12:07 PM