

# Reminder

Exam 1 on Wednesday 10/21/2020

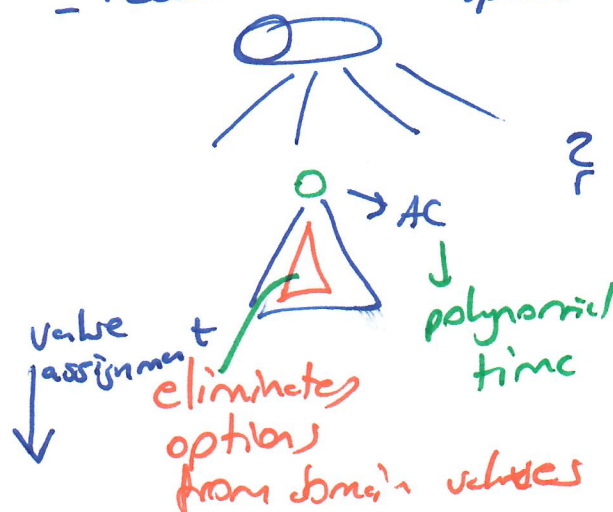
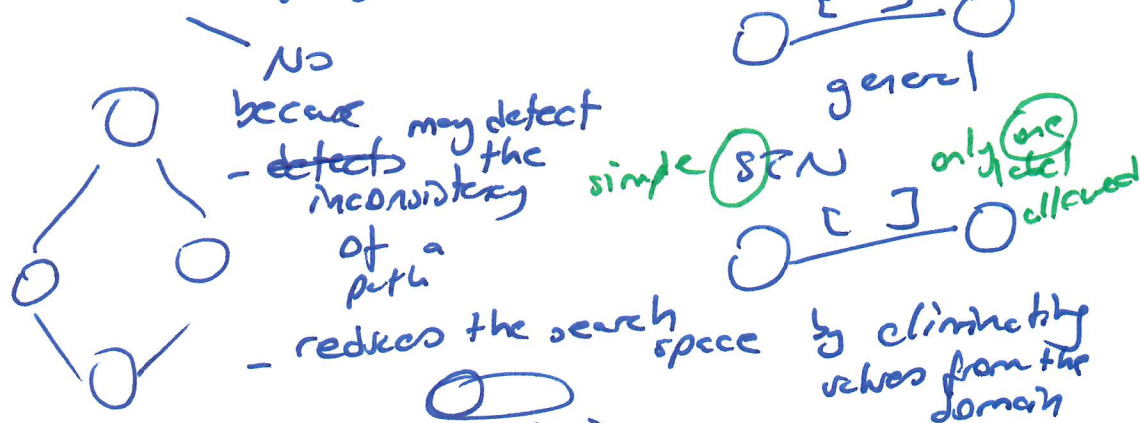
6:00 - 7:30  
pm pm

CS 5811  
October 19, 2020  
Monday ①

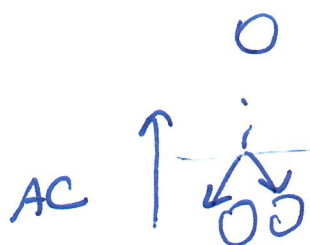
- Zoom setup instructions: ✓
- Class on Wednesday: question/answer session

- How are STNs special case of TCSPs?

- Is AC useless for graphs?

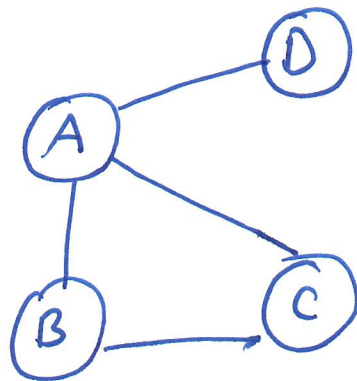


2 level:  
assignment variable



-  $A \rightarrow B$

only A loses values  
as coming into A has to be  
reinstated (unless we are  
working with a tree)



DA — no values lost  
 AD — no values lost  
 AC — A loses value(s)  
 CA ✗  
 BA ✗  
 AB  
 BA  
 BC  
 CB  
 ————— ✗  
 CA  
 BA  
 DA

...  
 ...

reinvent XA if  
 A loses value set  
 semantics will  
 ... eliminate duplicates  
 if they are still in  
 the ... queue.

Representation search CSP

Reasoning = algorithms

TCSP

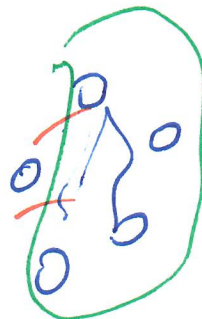
IA non-quantitative algebra

PA

STN

approximation algorithm

AC



## Boy Scout Example

③

- Fill out the tables and compute the probability distributions.
- Questions for next time, Friday (10/23)
  - What are the two tables  $S \times B$  and  $S \times D$  telling us?
  - When you look at the numbers for the probability distributions for  $B$ , do you see any conditional independencies?