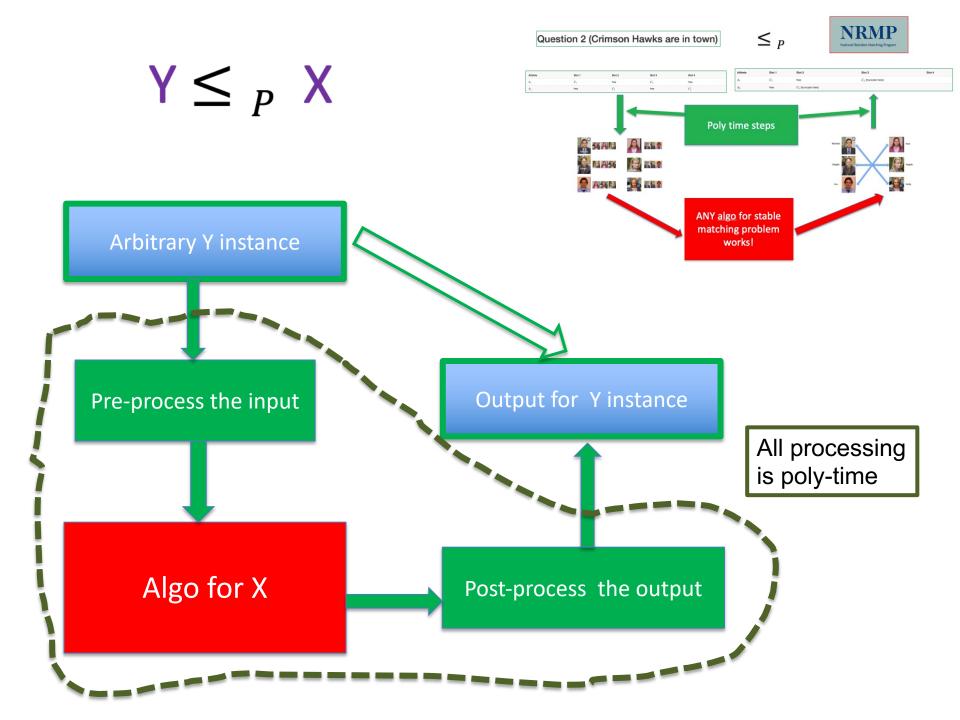
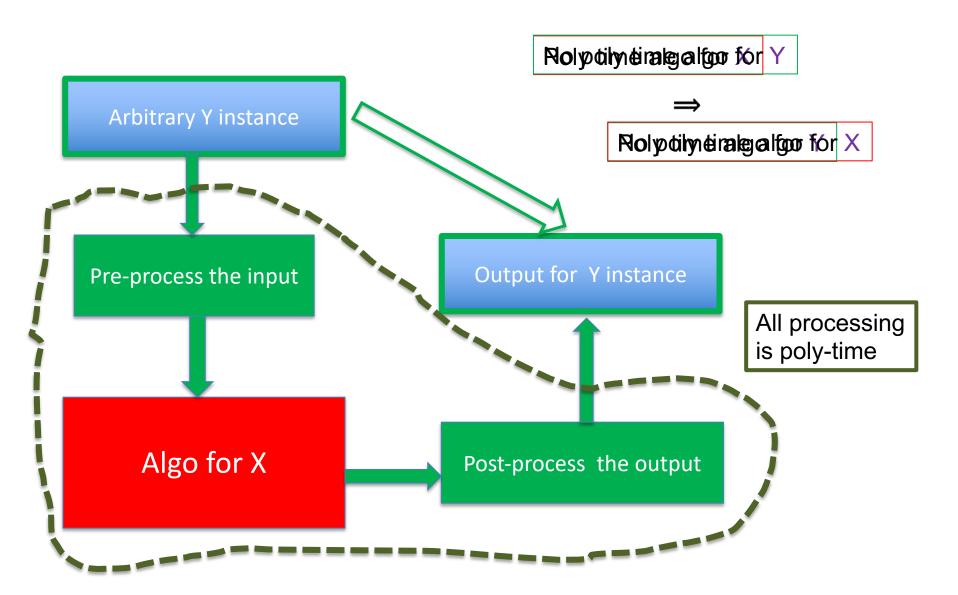
## Lecture 37

CSE 331

May 3, 2021



## Implications of $Y \leq_P X$



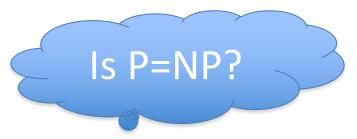
## Last lecture

3-SAT  $\leq_P$  Independent Set

Read Sec 8.2 of [KT]

## P vs NP question

P: problems that can be solved by poly time algorithms



NP: problems that have polynomial time verifiable witness to optimal solution