1. \((\text{mon} \lor \text{wed} \lor \text{thurs})\) 
2. \(\overline{\text{wed}}\)
3. \(\overline{\text{tues}} \equiv \text{tues}\)
4. \(\overline{\text{Fri}}\)

\(\text{mon} = \text{true}\)
\(\text{tues} = \text{false}\)
\(\text{wed} = \text{false}\)

Conjunctive Normal Form
Francy

Mike (False) — Binhai (False)

Brittany (True) — Brandon (True)

How can a clique be found via satisfiability?

1. Mike v Brittany
   - True

2. Mike v Brandon
   - True

3. Brittany v Binhai
   - True

#1 Problem X is no harder than an NPC problem
#2 Problem X is no easier than an NPC problem

Together, we can know that Problem X is an NPC problem