CLS 3 CS
June 4

Programming Club
today 4:00 pm
room 220 DES

\[ ci = s_i + t_i + f_i \]

before: \( c_i \) \( c_{i+1} \)

after: \( c_i \) \( c_{i+1} \)

Goal: \( \max(c_i, c_{i+1}) \leq \max(c_i, c_{i+1}) \)
NP

non-deterministic polynomial
short proofs of membership
B is NP-complete

- $B \in \text{NP}$
- For any $A \in \text{NP}$, $A \leq^P B$

A reduces to B

Solution to B allows solution to A
Graph Iso

Given graphs $G, H$

is $G \cong H$

Can we relabel nodes?

Subgraph Iso

Given $G, H$, is there a subgraph of $H$ which is isomorphic to $G$?

NP-complete