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Recitation: 7

Problem 1

Points:

work with Zimeng Liu

"I did not consult anyone except my group members".

NO non-class material.

Problem 2 | **Points:** |

First, sort them in the descending order of penalties

Then, scan from the first element, compare the deadline with element's current position, if it is over due, move the element to the end of the line, end after each element has been scanned.

After this sort, the maximum independent subset of M is equivalent to finding the optimal schedule will be returned.

Problem 3 | **Points:** |

A). Initially set everything to false

x must be true since $\Rightarrow x$, and since x is true, y will be true because $x \Rightarrow y$.

And w will be true since $(x \wedge y) \Rightarrow w$, and since w is true, z will be true since $(x \wedge z) \Rightarrow w$.

B).

Z must be true since $\Rightarrow z$, and w will be true since $z \Rightarrow w$.

and we do not need to do set x or y since the implication has achieved, all negations are satisfied.