“A good question for the final exam might be to define an infeasible linear program.”

MAX x1 + x2

ST

X1 + x2 >= 100

X1 <=10

X2<= 10

END

Unbounded example

Max x1 + x2

ST

X1 + x2 >= 100

X1 >= 10

X2 >= 10

END

Week 8

NP completeness hierarchy

Use to show something else is NP complete, or use transformation to show something else is np complete

SET-Partition

Think about which problem you would use to show SET-Partition is NPC?