1. (ex. 1.1. in Vancleablei)

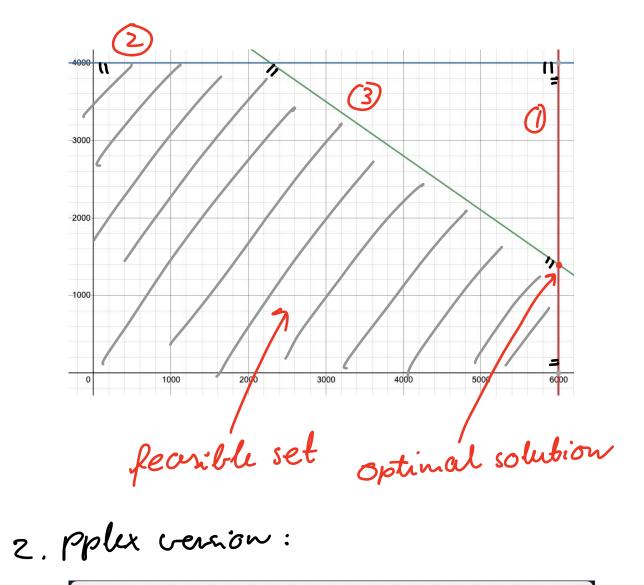
x, = # of tons to produce of bands

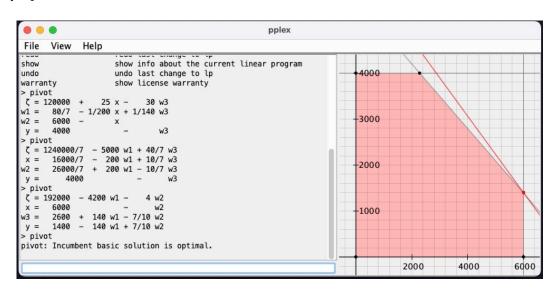
max. $y = 25x_1 + 30x_2$

 $x_1 \le 6000$, $x_2 \le 4000$ (demand)

 $\frac{1}{200} \times_1 + \frac{1}{140} \times_2 \leq 40 \text{ (max. hows)}$

X1, X2 = 0 (cannot produce neg. amount)





3.

C)

C=(1,0) Bounded set of optimal solutions.

C = (0,1) Unbounded set of optimal solutions.