

I. Linear Programming

a) Linear Program:

$$A \leq 20 \text{ hr}$$

$$A - 2B \geq 0$$

$$A + B \leq 24 \text{ hr}$$


$$\text{Max } (20A + 25B)$$

Optimal solution:

$$A = 16$$

$$B = 8$$

$$\text{Money} = \$520$$



feasible region