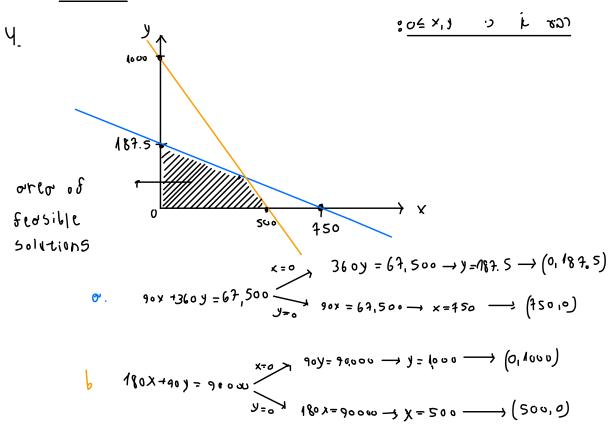
Task 18

- 1. The objective function in this problem is to maximize the soles revenue generated by the solods and Pizzos prepared by the chef.

 The Objective function: 20x+22y
- 2. The decision voriobles in this Problem are the quantities of solods (x) and Pizzas (y) that the chest must prepare
 - 3. o. Cheese constroint: $90x + 360y \le 67,500$ b. Tomoto constroint: $180x + 90y \le 90,000$ C. Non hegorivity constroint: $0 \le X$, $0 \le Y$.





5. The Problem's Oftimum solution: $\begin{cases} 40x+360y=67,500 \\ 180x+90y=90,000 \end{cases} \xrightarrow{(.)} \begin{cases} 180x+720y-135,000 \\ 180x+90y=90,000 \end{cases} \xrightarrow{(.)} \begin{cases} 180x+90y=90,000 \\ 180x+90,000 \end{cases} \xrightarrow{(.)} \begin{cases} 180x+90,000 \\ 180x+90,000 \end{cases} \xrightarrow{(.)} \begin{cases} 180x+90,0000 \\ 180x+90,0000 \end{cases} \xrightarrow{(.)} \begin{cases} 180x+90,0000 \\ 180x+90,0000 \end{cases} \xrightarrow{$

(Nith the OSSYMPtion that the humber of sorlows and Pizzas con be or fraction. if hot, than (464,71))