

HW9: Branch and Bound Part 1

Solve the following problem using Branch and Bound

$$\begin{array}{ll}\max & 5x_1 + 4x_2 \\ \text{st} & 6x_1 + 13x_2 \leq 67 \\ & 8x_1 + 5x_2 \leq 55 \\ & x_1, x_2 \in \mathbb{Z}^+\end{array}$$

Solve each subproblem graphically or with python.