

§9.4: BRANCH & BOUND METHOD FOR MIXED IPS

1.] Solve the following IP using the Branch-and-Bound method:

$$\text{Maximize: } z = 3x_1 + x_2$$

$$\text{Subject to: } 5x_1 + 2x_2 \leq 10$$

$$4x_1 + x_2 \leq 7$$

$$x_1, x_2 \geq 0, x_2 \text{ integer}$$

