Exercises Branch and Bound

Exercise 1. Solve the following ILPP using Branch and Bound

Problem N:
$$\min x_1 - 2x_2$$
 subject to $-4x_1 + 6x_2 \le 9$ (1)
$$x_1 + x_2 \le 4$$

$$x_1, x_2 \ge 0$$

$$x_1, x_2 \text{ integer.}$$