

HW Problem: Consider following LP.

$$\begin{aligned} \max z &= 3x_1 + x_2 \\ \text{s.t.} \quad x_1 + x_2 &\geq 3 \\ 2x_1 + x_2 &\leq 4 \\ 3x_1 + x_2 &= 4 \\ x_i &\geq 0 \end{aligned}$$

Solve the above LP using tableau method.
Verify using MATLAB.