

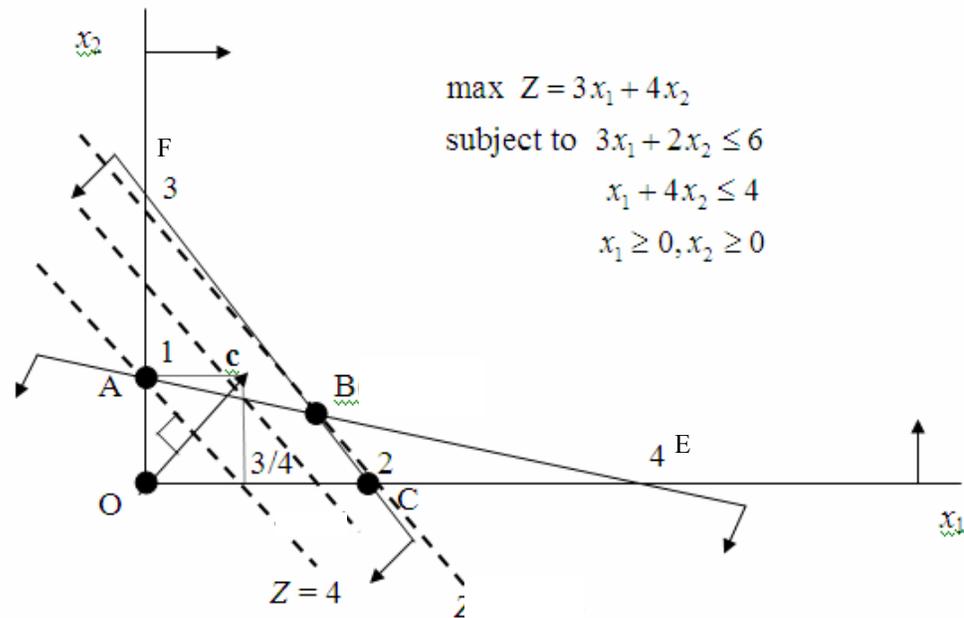
Consider the modified BM company problem.

• A “good” solution is

- a) E(4, 9)
- b) F(0, 3)
- c) C(2, 0)
- d) A(0, 1)

• A feasible solution is

- a) O(0, 0)
- b) F(0, 3)
- c) H(1, 1)
- d) E(4, 0)



• The optimal objective value, Z^* , is such that

- a) $4 < Z^* < 12$
- b) $Z^* \approx 6$
- c) $Z^* > 12$
- d) $\underline{Z} = 6$ is a lower bound on Z^*

• Suppose there is ample supply of M_1 , then the optimal solution is

- a) $x_1^* = 8/5, x_2^* = 3/5$, and $Z^* = 36.5$
- b) $x_1^* = 2, x_2^* = 0$, and $Z^* = 6$
- c) $x_1^* = 0, x_2^* = 3$, and $Z^* = 12$
- d) $x_1^* = 4, x_2^* = 0$, and $Z^* = 12$