## HW: Extension of revised simplex algorithm

Use either the Big-M method or two-phase method to solve the following LP problem.

min 
$$z = 2x_1 + 3x_2$$
  
s.t.  $\frac{1}{2}x_1 + \frac{1}{4}x_2 \le 4$   
 $x_1 + 3x_2 \ge 36$   
 $x_1 + x_2 = 10$   
 $x_1, x_2 \ge 0$