**ITEC451 - Activity 14**

objective function:  
 min z = 50 x1 + 100x2

subject to:

7*x*1 + 2*x*2 ≥ 28 (high-income women)

2*x*1 + 12*x*2 ≥ 24 (high-income men)

*x*1, *x*2 ≥ 0.