**Assignment Overview**

A pharmaceutical company decided to manufacture new food supplement pills. It will need to add some vitamins to the mix. It decides on two vitamin mixes: Vitamin mix 1 and Vitamin mix 2.

Vitamin mix 1 costs $40 and will contain two units of vitamin B and five units of vitamin C.

Vitamin mix 2 costs $35 and will contain two units of vitamin B and three units of vitamin C.

For nutritional reasons, both mixes must contain at least 12 units of vitamin B and 15 units of vitamin C. Formulate a linear programming model based on the given data.