**Handbag Production[[1]](#footnote-1)**

**A Louis Vuitton factory produces handbags and purses. Each handbag uses 4kgs of leather, and each purse uses 3kgs of leather. A handbag contributes $400 to profit, and a purse contributes $250. Marketing restrictions require that the number of purses produced be at least twice the number of handbags produced. There are 2000kg of leather available. Setup a model to maximize the company’s profit.**

1. This exercise problem and related solutions were originally developed by Ramesh Alla based on Practical Management Science 5th Edition. This current revision was revised by Nowed Patwary. [↑](#footnote-ref-1)