

**[nex76] Quantity and Quality**

A company has two plants producing identical cars. In a particular year, plant 1 produced 60% of the cars, 35% of which were defective. Of the remaining 40% of cars produced in plant 2, only 25% were defective.

- (a) What percentage of cars in that year were defective?
- (b) What is the probability that a defective car produced in that year came from plant 1?

**Solution:**