



If there is any member of the predicate class in an I statement that is not a member of the subject class, then you use the diagram with the solid line. If not, then you use the broken line.

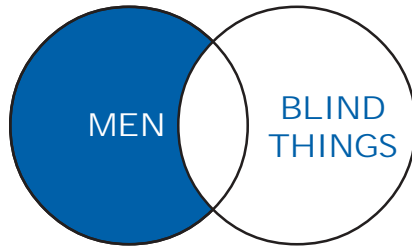


DIAGRAM 8-7

Diagram 8-7. This is because, although there are some blind things that are not men, there are no carpenters who are not men. We used a broken line to indicate that there are no carpenters outside the class of men.

When you are working with I and O statements, you will need to determine which kind they are: Are they like "Some men are not blind?" Or are they like

"Some men are not carpenters?" Just ask whether there is any member of the predicate class that is not a member of the subject class. If there is, then you use the diagram with the solid line. If there is not, then you use a diagram with a broken line.

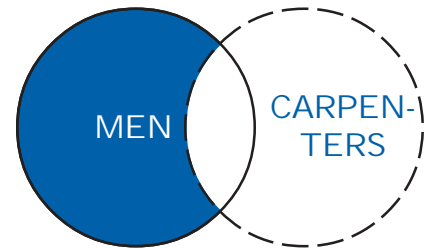


DIAGRAM 8-8

**Summary.** In this chapter, we discuss *distribution*. *Distribution* is the status of a term in regard to its extension. When we say that a term is distributed, we mean that the term refers to all the members of the class of things denoted by the term. We said that the subject-term is distributed in statements whose quantity is universal and undistributed in statements whose quantity is particular. In regard to the predicate-term, we said that in affirmative propositions the predicate-term is always taken particularly (and therefore undistributed) and in negative propositions the predicate is always taken universally (and therefore distributed).

We showed how distribution works with both subject and predicate terms by using the following diagram:

**DIAGRAM OF THE DISTRIBUTION OF TERMS IN A, I, E, AND O STATEMENTS**

<u>Type of sentence</u>	<u>Subject-Term</u>	<u>Predicate-Term</u>
A	Distributed	Undistributed
I	Undistributed	Undistributed
E	Distributed	Distributed
O	Undistributed	Distributed

Finally, we showed how to use diagrams to display the distribution of various categorical statements.

The predicate-term in O statements is distributed.