Members of a consulting firm rent cars from two rental agencies:

  60% from Avis, and

  40% from Herz

9% of the cars from Avis need a tune-up

20% of the cars from Herz need a tune-up

If a rental car delivered to the consulting firm needs a tune-up, what is the probability that it came from Avis?

A=the car is rented from Avis

B=The car needs a tune-up