

Shopper TRK is an electronic device designed to count the number of shoppers entering a shopping centre

When two shoppers enter the shopping centre together, one walking in front of the other the following probabilities apply

- 1) there is a 0.98 probability that the first shopper is detected
- 2) there is a 0.94 probability that the second shopper is detected
- 3) there is a 0.93 probability that both shoppers are detected

What is the probability that the device will detect at least one of the two shoppers entering?