

## 1993 Paper 2 Question 6

In a chip factory three machines manufacture 25%, 35%, and 40% of the total production. Of their output, 5%, 4%, and 2% respectively are rejected as faulty. What is the probability that from a collection of chips drawn at random from the output two which are faulty were made on the same machine? What is the probability that three faulty chips were all made on different machines?