FIMEK Novi Sad 27. III 2024. godine

Poslovna ekonomija i finansije, Inženjerski menadžment u agrobiznisu

Poslovna statistika - kolokvijum 1

1. The probability for the last train Belgrade - Novi Sad to be full is 0.08. If the train is full, the probability that the ticket is checked is 0.15, otherways, it is 0.95.

   What is the probability for a ticket of a random passenger to be checked?

   If the ticket is checked, what is the probability that the train was full?

   $P =$

2. There are 4 small balls with the number 1 and 3 with the number 2, for a total of 7 balls of same size.

   Two balls are chosen at random, and the random variable X is the sum of the numbers on the balls.

   Find the distribution law and the expected value od the random variable X.

$X : \left(\qquad\qquad \right), \quad E(X) =$