Past Year JEE Questions

Questions

Quetion: 01

Consider three boxes, each containing, 10 balls labelled 1, 2, ... , 10. Suppose one ball is randomly drawn from each of the boxes. Denote by n_i, the label of the ball drawn from the ith box, (i = 1, 2, 3). Then, the number of ways in which the balls can be chosen such that $n_1 < n_2 < n_3$ is :

A. 164
B. 240
C. 82
D. 120

Solutions

Solution: 01

Explanation

Number of ways = $^{10}C_3$ = 120