

Assignment_17.3

Iwo balls are drawn at a succession from an urn containing 4 red balls and 6 black balls.

and there are 10 balls.

and there are 10×9 different ways i.e.

90 different ways to select two balls.

Now, possible draws are O RB (Red-black)

@ RR (Red-Red) @ BR (Black-red)

(A) BB (Black-Black)

Probability of RB => 4×6 = 24 12 = 0.2667

Probability of RR => 4×3 = +2 = 6 = 0.1333

Probability of BR => 6×4 = 24 = 12 = 0.2667

Probability of BB => 6x5 - 30 = 1 = 0.3333

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