Froblemi- Two balls are drawn at Trandom in succession without replacement from an win containing 4 red balls and 6 black bells. Find the probability of all possible Let us denote sed ball as R and black ball as B When two ball are drawn all possible outcomes ne Solution -KR, RB, BR, BB Total number of ball=4+6=10 Total number of possible ways 2 balls are drawn Probability (RR) = First draw as red bulk-possible work & Second bulk possible was red bulk-possible work on red bulk possible was not believed by the possible was a red bulk-possible was a red bulk Probability (RB) = Possible was of picking Rol Rell first of mumber of possible was of picking Total number of picking total number of possible was of picking total number of picking total number of possible was of picking total number of picking Probability (BB) = Possible way of pickis black boll first daw pickis black boll first day pickis black boll first day pickis black boll first day pickis 2 balls

= \frac{6C_1 \times 4C_1}{70} = \frac{30}{90} = 0.3333

= \frac{30}{90} = \frac{30}{90} = 0.3333 S_{0} , P(RR) = 0.1333 P(RB) = 0.2667 P(BR) = 0.3333