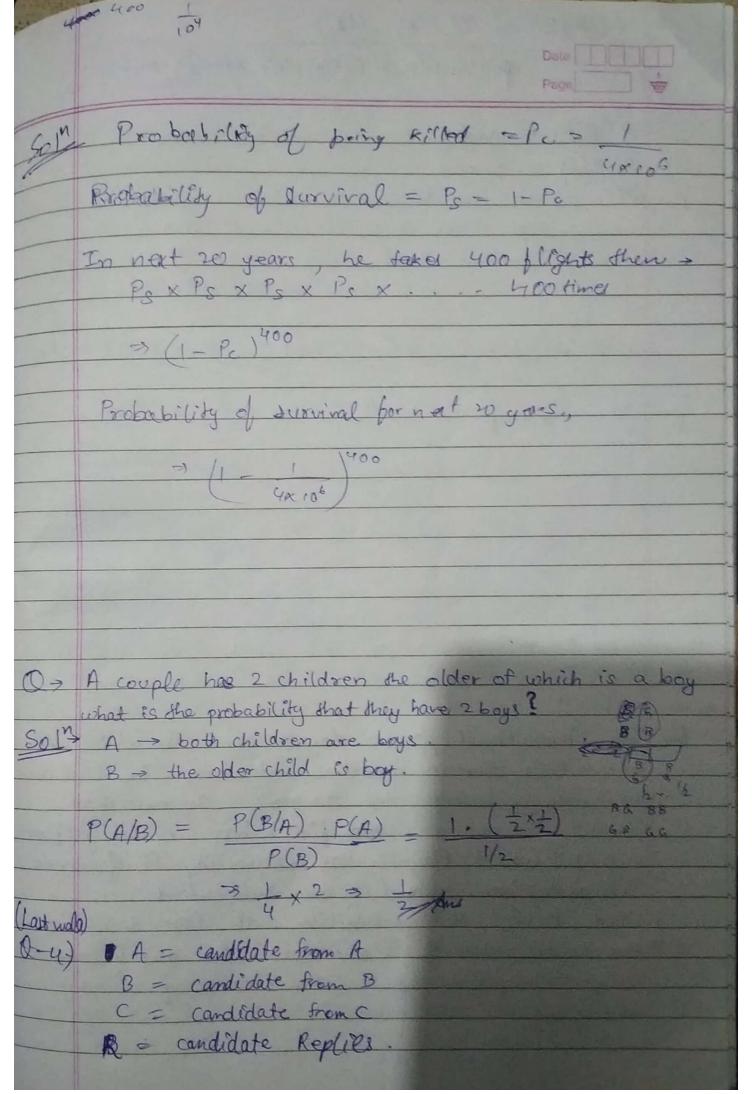
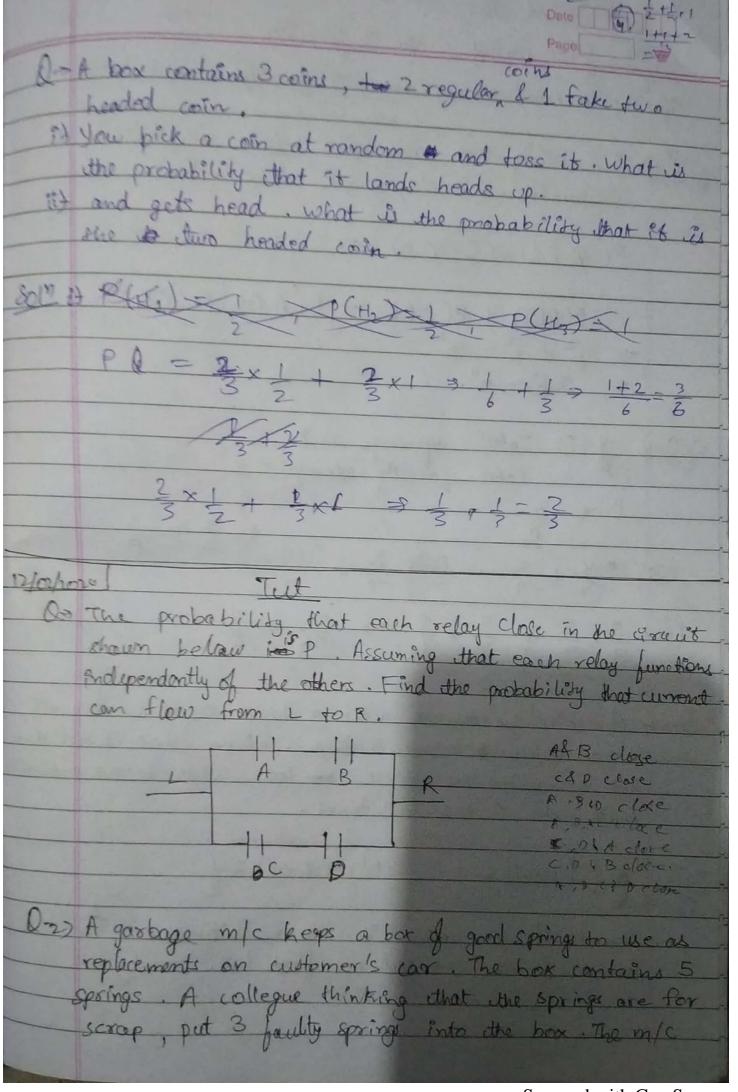


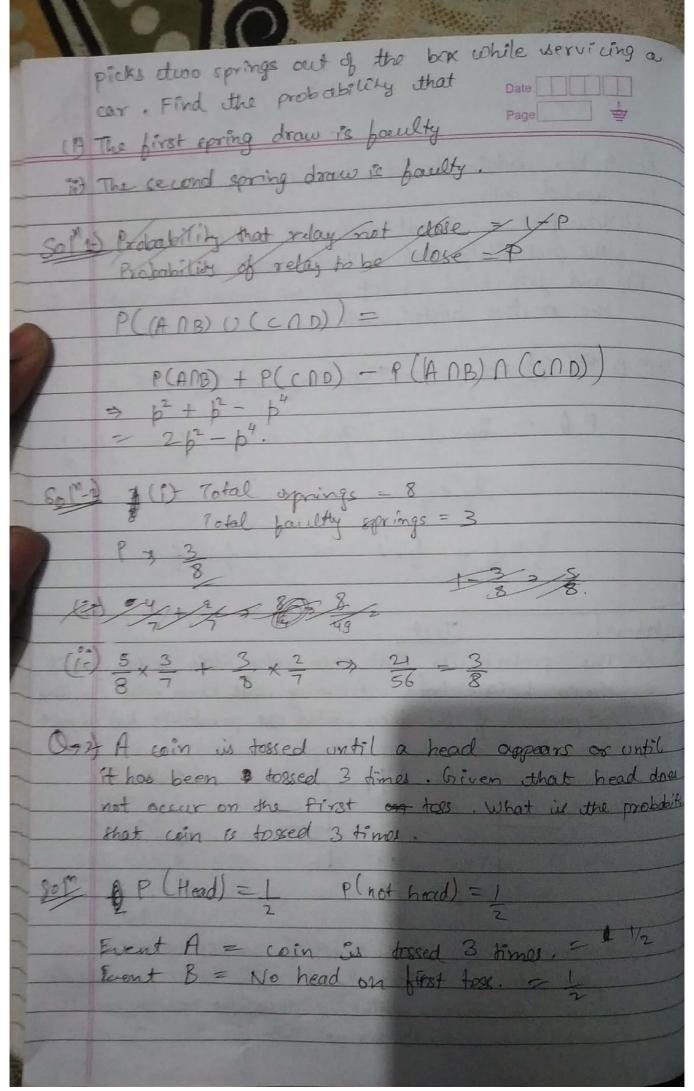
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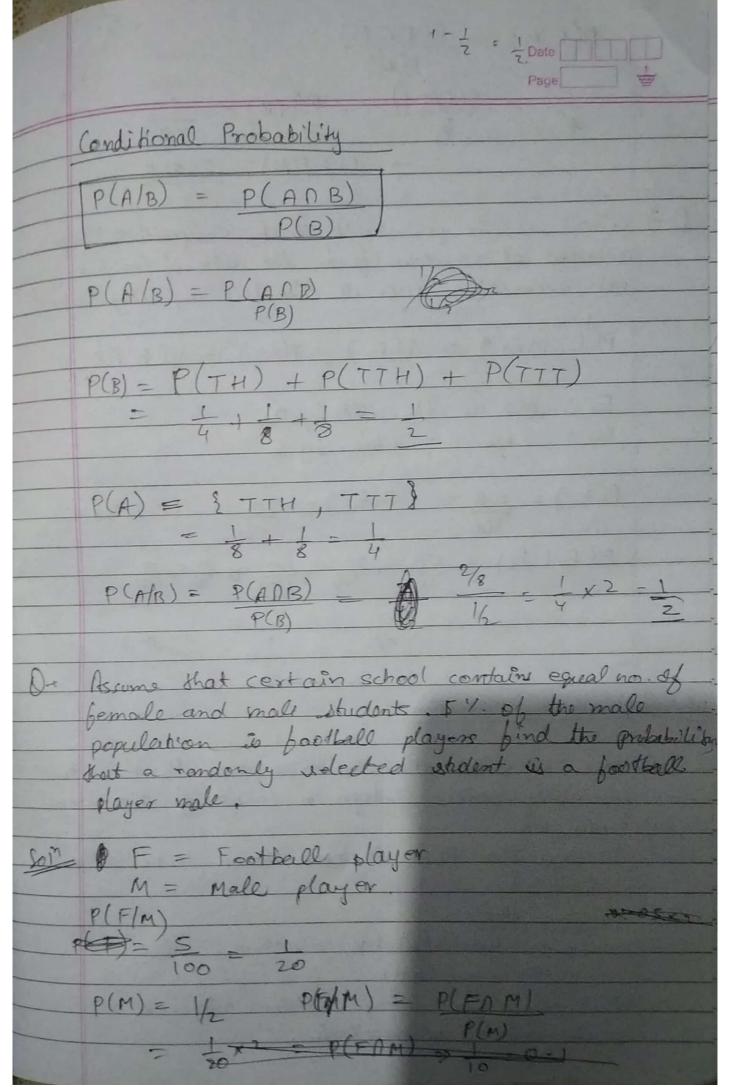


(1)	$P(A/R) = P(R/A) \cdot P(A)$
	P(R/A).P(A) + P(R/B)P(B) + P(R/B)geP(C)
	P(R A) = 0.002 $P(R B) = 0.001$
	PC
9	
X	
03	Two basketball players play a game in which they alternately shoot a basketball at a hoop. The first one to make a basket wins the game. On each shot Player 1 (the one who shot first) has probability Prof success while Player 2 has probability Prof success. The whots one assumed to be independent.
	Find P(W,) the probability that Player I wins every For what values of P, and P2 is this a fair governe for each player has a 50% chance of wining the game.

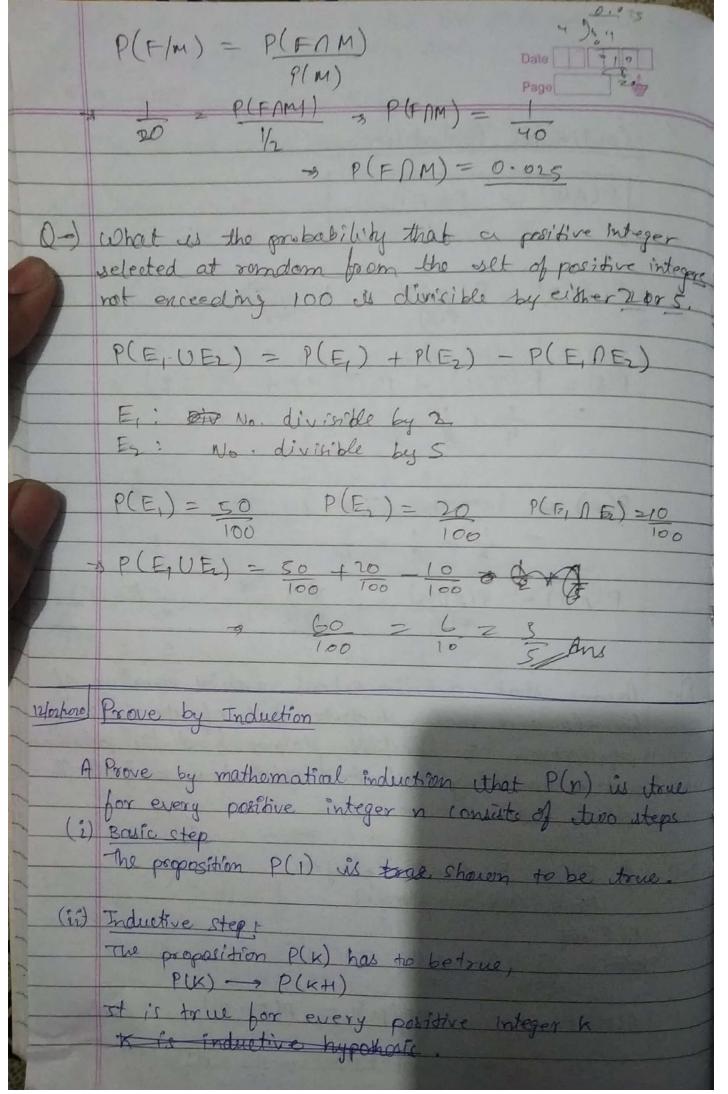


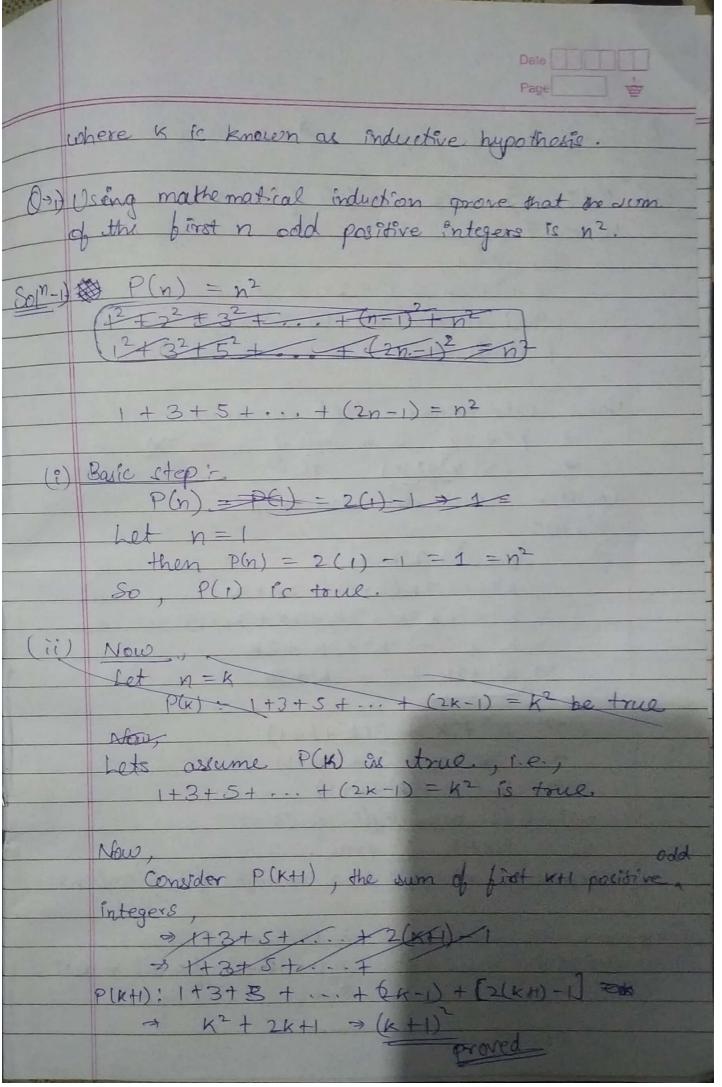
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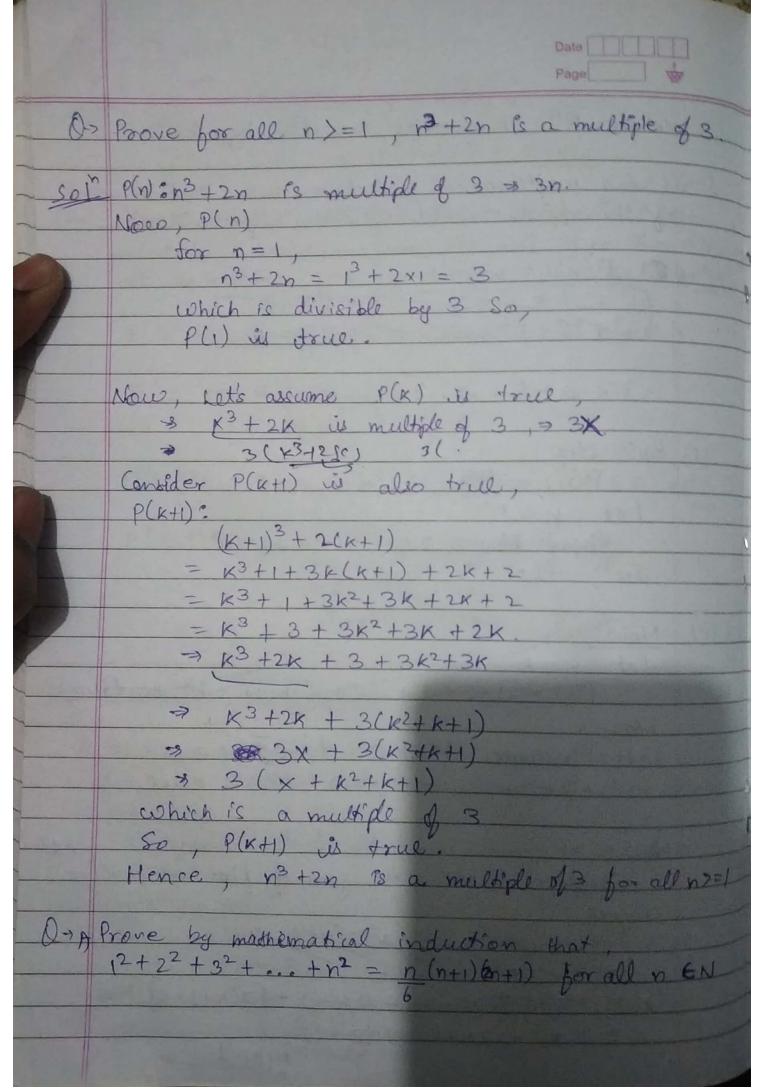


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1+2+22+ ... + 2" = 2n+1-1 for all non-negative (K+1) [2k(K+2)+3(K+2)) > (K+1) (K+2) (2K+3) proved

