Prob 16) Form a magic square with the digits 1,2,3,4,5,6,7,8 and 9; that is, place than in the boxes of a 3x3 table so that the sums of the numbers along the rows, columns, and two diagonals are action equal. DEGREE 5+9+1=5+8+2=5+7+3 =5+6+4 (5 goes in the middle) 9+5+1=9+4+2 (9 goes in middle 9+5+1= 1+8+6 (1 goes in middle 2010) (Solving the rest is easy) Chap O, Fred 8) Cross out 10 digits from the number 12345123451234512345 so that the remaining no. is as large as possible. Ans: No matter whichever 10 digits we cross out, we always get a 15-digit number. So, we must try Kaping the object digits as far left as possible. 1234512845123451234512345 553451234512345 Chap O, Prob 3) Tack tone out several successive pages from a book. The no. of the first page he tore out was 189, and it is known that the no. of the last page is written with the same digits in some order. How many pages did Jack tear out of the book? Ans: The first page form out,

Then the last page must have opposite parity (His obvious)

Toulis alon no. 318, 381, 813, 831 (318-183)+1 = 136 7 This cont be first page torn out, because if it is, the content of the prev page will be counted as first page.