Problem. 4 Cousibles pr = page done en Aris", po = page done by Grant We mow that pa + pa, Amure that N in the total the of pages in the look We take M = N is N is ever ,  $M = \frac{N+1}{2}$  is it is odd. Leti's omice its. Never no H-D Now we can one both sin and Gianluca their pape with mobility of 1 Anne that de chore giantere veich reveals his pa withour comment the strategy is: core 1 (pA & pa) no Anis la corlica page of pos H there we those to droose this for earlier page, quering iconsocity , corectly my po & M then we doore Gianluca incorredly Pr (PG) M) = N-H = N/2 N-1 N-1 N-1 because po is selected from all go N pages execut pa that you inothering is different care 2 (PA > PG) PG DH we have to choose this , quening income dely & PG & M se have to choose Giouluce, quening correctly Pr. (PG & M) = N-H = N2 N-1 N-1 for the overall probability of the gove in, to do  $P_{R}$  (game) =  $\frac{1}{2} \left( \frac{N_{2}}{N_{-1}} \right) + \frac{1}{2} \left( \frac{N_{2}}{N_{-1}} \right) = \frac{N_{2}}{N_{-1}} = \frac{N_{2}}{N_{-1}}$ that is bigger than 1