1- A domino has a left end and a suightend, each of cortain colors & Alice has four dominos, colored R-R R-B, B-R, B-B. Fine the number of ways to avery the Lominas in a row end- to end such that adjacent ends have same colore. Damions can't be rotated? RR RB [B] B RR RB BB BR RB BB BR RK BR RR RB BB = 1 Suppose a adb one the Int fourwhich 2 8 ab a 8 ab = 27 ab a Find at + b2 8 a b = 27 a b 9 = a-b=31 mil  $\frac{a^bb^b}{a^bb^a} = \frac{27}{8}$  $a^{a-b}, b^{b-a} = \left(\frac{3}{2}\right)^3$   $a^{a-b} = \left(\frac{3}{2}\right)^3$   $a^{a-b} = \left(\frac{3}{2}\right)^3$   $a^{a-b} = \left(\frac{3}{2}\right)^3$ 

