II I Dress were have 2/420x2+3) A ether x 15 000 Coase (a) Of Y:s even coase (3) as Ohly in those cones TS (A) four pro addless or the other value. A Case 1 15 + the So Wellmovellon toll case 2! 18 int Case 7: Assume XIS ODD OF Y is even, Let JK & Z Case 2 6: 4 13 \_ even Case 201 - X \$5+1000 CITY (STADIS SMEET II) AND 27 C42+63 (0x2+3) 2> ( 12 ( x2+3) CY2+6)  $\frac{2}{2} = \frac{(2k^{2}+4k+1+3)(24^{2}+6)}{(4k^{2}+4k+1+3)(24^{2}+6)} = \frac{2}{(2k)^{2}+6} + \frac{2}{(2k)^{2}+6} +$ 27 (4162 +416+4) (42+6) 1 (2) 2 (216243) (X3+3) 2) 2 12 C 2 (c 2 + 2 × +4) C + 2 +6) = (p + 2 + 2 × +4) C + 2 +6) = (p + 2 × +4) C +6) C +6) = (p + 2 × +4) C +6) C +6) C +6) C +6) C +6) C  $3 a_{2} \in \mathbb{Z}, a_{2}^{2} \stackrel{?}{=} (2 k^{2} + 2 k + 4 k) (4^{5} + 6)$   $3 b_{2} \in \mathbb{Z}, b_{2} = (2 k c^{2} + 3 k) (x^{2} + 3)$ I we know that the case in and case 21, that C42+6) (8+3) is divisable by 2. Thus we have proved [2] STACE I ons I is thre, the offsom state your will Rob all X Ob Y intesession