FIVE, seven, Eight, ten, and in fact, most offen integers have no pin SETUAR & ROOKS THE integer are said to be liverall debeen, that is, they satisfy the following to quierments. Let a, b, and c be paloiteary interment. 1) at b implies as b oe by a 2) as b implies a + b, i.e., as a is FALSE 3) as b and by c implies as c. . . . . . . 66. RATIONAL NUMBERS Let us think of the entro, alb, a and sutener whatsoever b. ANY NOV-ZEED INTEGED WHATSOEVER. To insuce, in the elementary operations, logical consistency will the integral, the following moles are about to. 67. Equality proute as est, as used store store store store weets By Definition albe old if, and only if adebc. The set of entional numbers includes the set or jutages as a subjet. Megely set be 1. Then a = bx1. a/1 = a THE NUMBER 2/4, 4/8 AND 1/2 ARE ALL MERCLY DIFFERENT WAYS DE DESENTING tHE SAME POSTIONAL NUMBER. THE NUMBER 1/2 11 Consideros the SIMPLEST DECASE I AND 2 CONTAINS NO FACTORS common to both except unity. The number of b is sono to be in its lowest form is a one of one aposty spine, i.e., contain to common section orset outly +a/-b=-a/+b. Hence 4 Rational number can always be waitten with a conson 900 DE Nomentare. the wood out thought on doubt by 68. Tue qualities 1 12 10212019 If the eathorn wouldes all muy cld are written WIGH POSILIVE SEVENTINATEDES, alb > C/6 if AND only if ad > bc; a/b < c/d ic, and only if ad < bc. Let all be a positive mational number a) 1. Then, a/b > a/b+1) sirce (ab+a) >ab a/ (b+1) > 1/(b+1) sixta(b+1) > 1(b+1) a/b > a/(bts) > 1/(bts). Set w= b+s then alb > alm > 1/N. I respective or how older to zero we decrethe Numberalty A 1 number coses to zero to zeno can be found by a suitable solution of u. Sindiady, by propositive to zero through regulie ectional unbeas : t carbs show that there is no accatest negative