cutes manber of 3 is greater in magnit con the work mombes of A. Every nomber, Burgis called an utter bow Doe A, since no matte what number in you select in B, The number M+2 is such that buts is LESS thow by. The set of execuse NUMBERS IS DENSE. TO be seeding, the entroll sun 18/02/19/05 000 4/3 WILL DE TERNED Asbiteapily we now include in class & the restional imper 1/3 > 1/3. Note that Here is now a fact upper bound in B for A. If we select any extrant number a, less than 1/3, we can aways - WHRED Firth in A, A wunder issued than se is greatere than A. THE most 2/3 is the Least opport bound in the set of eational numbers. More technically, the set of all basional numbers to the state to experience actions can be separated into our MANDRED two subsects on classes, A AND B, IN Such a Manuer that Every chosen Rotronal Nouses belowers to A on to B, but not to both Neither set is Empty and again. and bom in B implies an is less than bom There exists a cut number & such that ap in A implies ap 13 ESS than or eggal to cano but is B inflies c is 1635 than on equal bom. The notional windows 1/3 adult the Equivalently been induses as newbor or class A. THEN 1/3 would have been the prentest loves bound is A coe B Dones pond TECHNICALLY, the separation of all minutes textonal numbers INTO the classes such that every woulder on one closes of LESS than EVERY NUMBER IN other class, is called section one of section out of P. THE ROTIONAL WOMEN 1/3 has thus been defined in subigatory as A SECTION OR CUT IN THE COTIONAL WONDERS. IN ASIMPLE MANYER TO ANY DOHER SOMEONEL PURIOUS CAN be exactly DEFINED. FOR expulse, zeco is the cut between all nostive rational " Numbers and zero, and the reactive artisant numbers. This serientian precios uson the two conventing sequences, A AND, HAMING THE SAME LIMIT, I R, they DEFINE THE SAME MUNDER TWO ESTONA COMMISS, B AND C, ASO CONVERSE & D SHE some limit and begine the some number the two perman sequences, A and B HATTON the same limit and desire the some number 0.3 = 1/3. The difference between the comes possession members of B and to be - at 102 - as 1 ... Forms A SEQUENCE WICH MUST also converse to alimit, zego. To