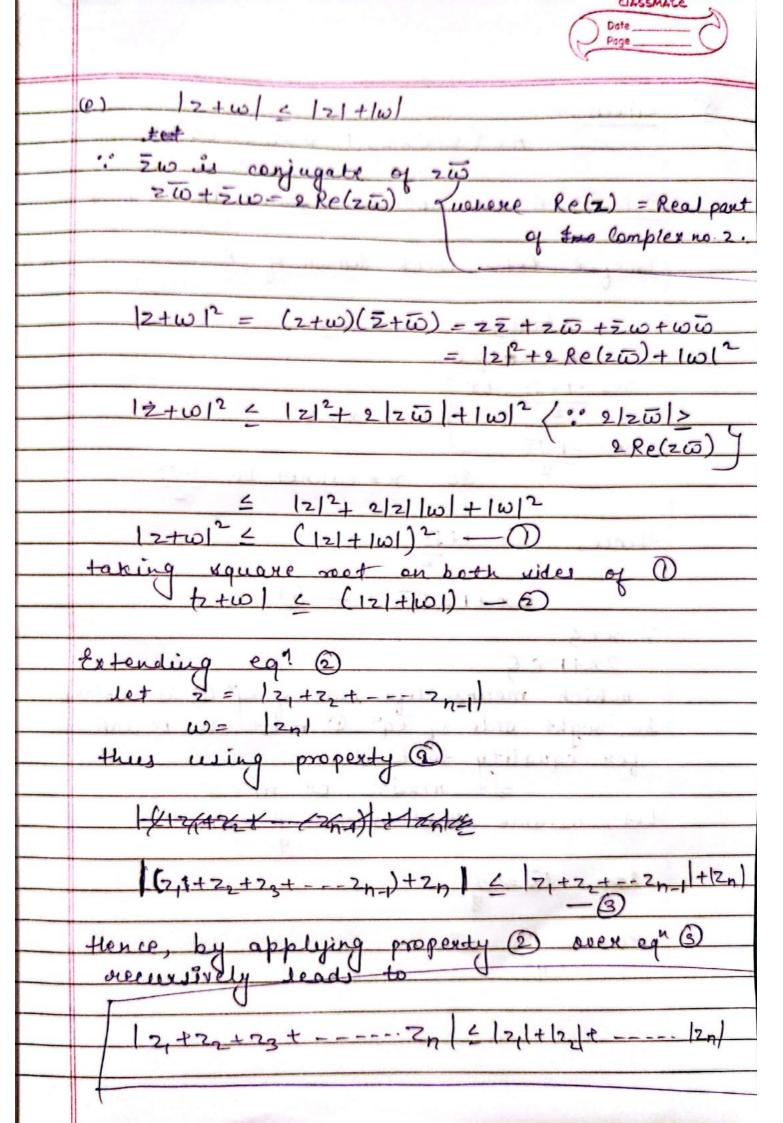


	there's a finite set of poime numbers
	Υ P. P. P P. Y
	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	det's take a new number M such that. $M = (P_1) \times P_2 \times P_3 P_n + 1$
	$M = (P_1) \times P_2 \times P_3 - \dots - P_n + 1$
	(1) - (a) hi er h as we
	M leaves remainder 1 when divided by P: Heliz
	uchich makes Ma prime number as long as M#1.
	Since, 2 is a prime number
	> set < P,P2, β2 Pny is not empty.
	→ Mis a prime number.
	M>P, M>P2, M>P3 M>Pn
	we can say that
	M>P, M>P, M>P, M>Pn We can say that M>Pe + e(1,2,3,ny)
-	Let (P, P2, P2, P4 Pny is a finite set.
	det (P, P2,P3, Py Pny is a finite set.
	Henre, there are infinite prime numbers.
3	Civen -> 1) A = p
	si) A is a set of Real numbers.
	1997 A is bounded below.
	Po prove > 3nf(A) = - sup(-A)
	To prove > Inf(A) = - dup(-A)
	property and the state of the s
	The state of the s





A= (x/x2+x21,x20,xEgy Civen in T.P. - A does not have lower bound in g. Proof: 2 het's check domain of A n2+n21 and n20 27×12120 N≥ -1+5 0x7 12 but x 20 2 so reconnot be fi-ts thence, n=-1+55 2x+1=15 -0 so, right side of eq. D must also be xational for equality to hold.

