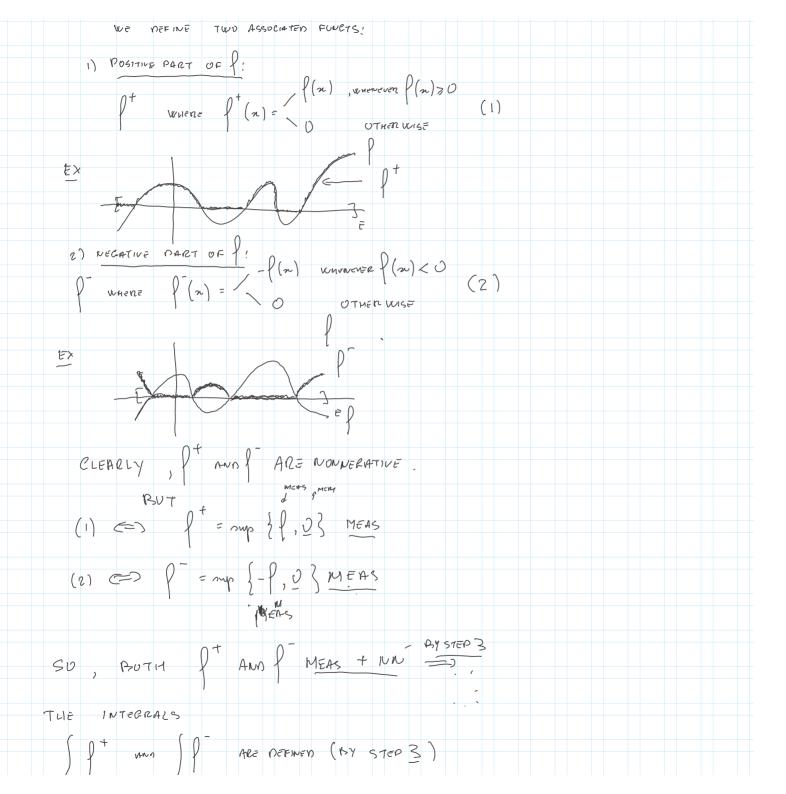
DEF LET P: E S NZ MENSURANE N/N. P 15 SAIN TO SUMMABLE STORY EX1 LET P: NO -12, P(2) = e 2, MORS AND QUESTION: LET E = [0,+ C=[. 15 P SUMMARIE OVER E = [0,+0 [? WE HAVE TO COMPUTE ( ) GIVEN MGT , CONSIDER [O, M) YMGT.  $[0, m] \subseteq [0, m+1]$  +  $\bigcup_{M \in \mathbb{Z}^+} [0, m] = [0, +\infty] = E$ THEN, BY BEDRO LEVI,  $e^{-x} = \lim_{\Lambda \to \infty} \int e^{-x} \cdot \chi = \lim_{\Lambda \to \infty}$  $=\lim_{n\to\infty}\left(-e^{-n}+1\right)=1$  $\begin{cases} e^{-n} = 1 < +\infty = 1 & e^{-n} \text{ SUMMARIF OVER } E = [0, +\infty]. \end{cases}$ 10,00 EX2 CONSIDER THE SERIES BEPPO LEVI THM FOR SERIE APPLIES

= \( \sum_{m=1}^{\infty} \)	$(mai) \times \sum_{mai} \sum_{n=1}^{n} $
= 2 (ma	$\frac{1}{N(n+1)} = \frac{2}{n-1} \frac{1}{n} = + \infty$
	$ \begin{array}{c}                                     $
	NOT SUMMARLE OVER ]0,1]. B
ron	CEVERALISM HARMOUND SERVES, THAT IS  OF LIVE, ON 7.1 THE SCRIES
(8) <u>S</u>	1 a IN THE EXPONENT
1) IF &	=1 => (8) DINERCENT (CBASSICAL MARMONE
(x) = \( \frac{1}{2} \)	M DUT SERVES)
2) 11- 0	$\sum_{N=1}^{1} x = + \infty  \text{surversor}.$ $71 \implies (x) = \sum_{N=1}^{\infty} \frac{1}{n^{\alpha}} \text{ is completed } +$
	TART 15 2 1 < too.
STEP 4	P. ESINA - NO MENSURABLE
	LOSPECT TO STEPS, WE TRY TO DROF
572	CRY RIVEN P; E & MM -> M MEASURABLE
STUAT	CKY TILL TIPL TIPL TIPLE



	Ε	
	NULL , 17 (3 CLEAR $)$	
	P = P + P WE TRY 70 SET	
(†)	$\int \int \int \int \partial u du = \int \int \int \partial u du = \partial u du$	
(	DOES (+) MAKE SENSE IN ANY SITUATION?	
	For the second $\begin{cases} f^{+}, & f^{-} = f \\ \xi & \xi \end{cases}$	
	MAKES NO SENSE	
	i) If - If = + 0	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	ii) (p+ - (p- )T 15 A REAL NUMBER	
	AND WE SAY  THAT PIS SUMMABLE	

BREAK	q yestions?		
8	ERIN ABAIN AT 12.	15	