Let x = [x, x,]

1 x 11, 1 & IFF X = [x, ..., x,] = \(\alpha \)? (1)

NO VALUES CAN BE SUBTRACTED SO ALL

OF X MUST BE ZERO, AND

x must de zero

112. ×11, 11 121.11×11, FOR 2 6 12 4 × 6 12

 $|| x \times || = || x$

11 x + >1, < 11 x 11, + 11 > 11, FOR X ER & Y ER

+ ... + (1,41+1,x1) = |x+,x++1+...+1x+x,1= (1x,1+1x,1)+...+

11 x 11 = MAX {1 1. 11 ×11= 20 11 × 11 0 = 2. 11 x 11 = 0 ef MAX $\lambda \cdot x_n = (\lambda) \cdot (|x_n| + \dots + |x_n|)$. $|+\cdots+|\times_{n}+y_{n}| \leq (|\times_{1}|+|y_{1}|)+\cdots+(|\times_{n}|+|y_{n}|) = \sum_{i=1}^{n} |\times_{i}| + \sum_{i=1}^{n} |y_{i}| = ||\times||_{1} + ||y_{i}|_{1}$