BECIN AT 11.10 $2\varepsilon \tau \qquad \left(\begin{array}{c} \rho \\ M \end{array} \right)_{M \in \mathbb{Z}^{1,4}} \qquad , \quad \rho \quad \varepsilon = 10^{24} \longrightarrow 10^{2}$ i) (inf | m) (x) = inf { | m (x); m 6 2 + } re E ii) (sup f) (n) = sup { p (n); n o 2 + } 2 + E THM LET IN: EEM "-M" BE MEASURABLE

THEN in In AND SUP IN ARE METTSURABLE AS SPECIAL CASES, WE RECALL: VET (Pm) Bi SEQUELES, PM: E C N2" -> 1/2 s) min lim for the sup (inf le) mes lon for inf (sup (&) CURDILIARY IF IN MEMSURABLE YM, THEN minten on AND mertin on ART MEASURABIT. ninhan | = moshin | = him | n | EXAMPLE LET (In)

$$\int_{a} = (-1)^{n} \times_{[0,n]} : [0,+\infty[-\infty]R].$$
So

$$\int_{a} \int_{a} \int$$



