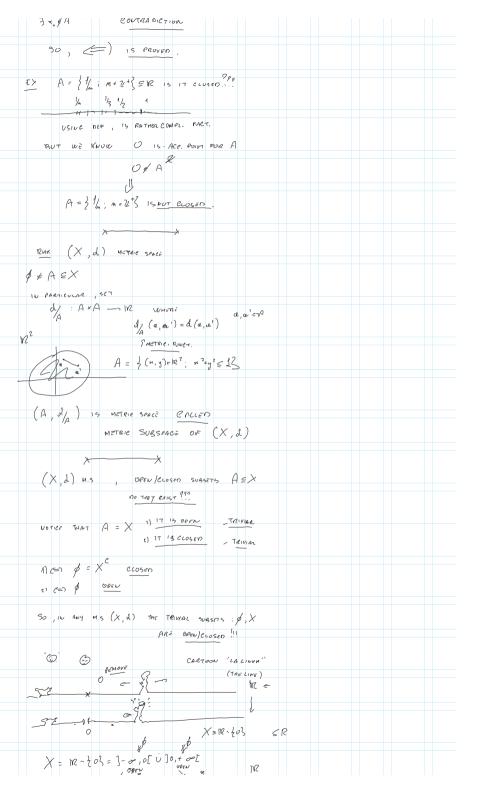
```
(X,d) METRIC SOACE
    WE RECALL : A EX
    A CLOSED (=> A = X-A IS OPEN
   THM (CHARACTERIZATION THM)
   A CLOSER - A CONTAINS ALL ITS ACC. POINTS
  PROOF =>)? By CONTRADICTION
          3 M, & A , M, ACC. NINT FUR A
           An, eAe, A. ACC. POINT FOR A
  \exists x_{e} \land C_{s,T} \quad \forall Re \mid R^{+} \quad \left( I(x_{e}, e) \cdot \{e_{s}\} \right) \land A \neq \emptyset
\forall A \in \mathbb{R}^{+} \quad I(x_{e}, e) \land A \neq \emptyset
   WE OBTAINED
  7 2 CAC ST X2012 I (2,2) € AC
  3 M, GAC S.T. ALL. SPHER NEILHBOORD
                       I(n.,2) $ A c
                AC NOT OPEN !!!
                  A IS NUT CLOSED
                                         CONTRADICTION
   SU =>) IS PROVED []
PRUOF SYCOURAMETINA
  Supposi A NOT CLUSED C= A NOT OPEN
(=) ] n, cA° ST. I(n,n) & A° Y20126
                      [(m,n) NA ≠ Ø
     7 a, cA c S. T. (J(a,,n) ~{a,}) NA ≠ d
    JacAC 27. a. ACC. POINT FOR A
```



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X=112-405 = 3	0 Kp - 5,0[ 0 30,+ 5[ 00en 00en		
	OPEN OPEN		
	Reinx QUEStion		
	Byithve		