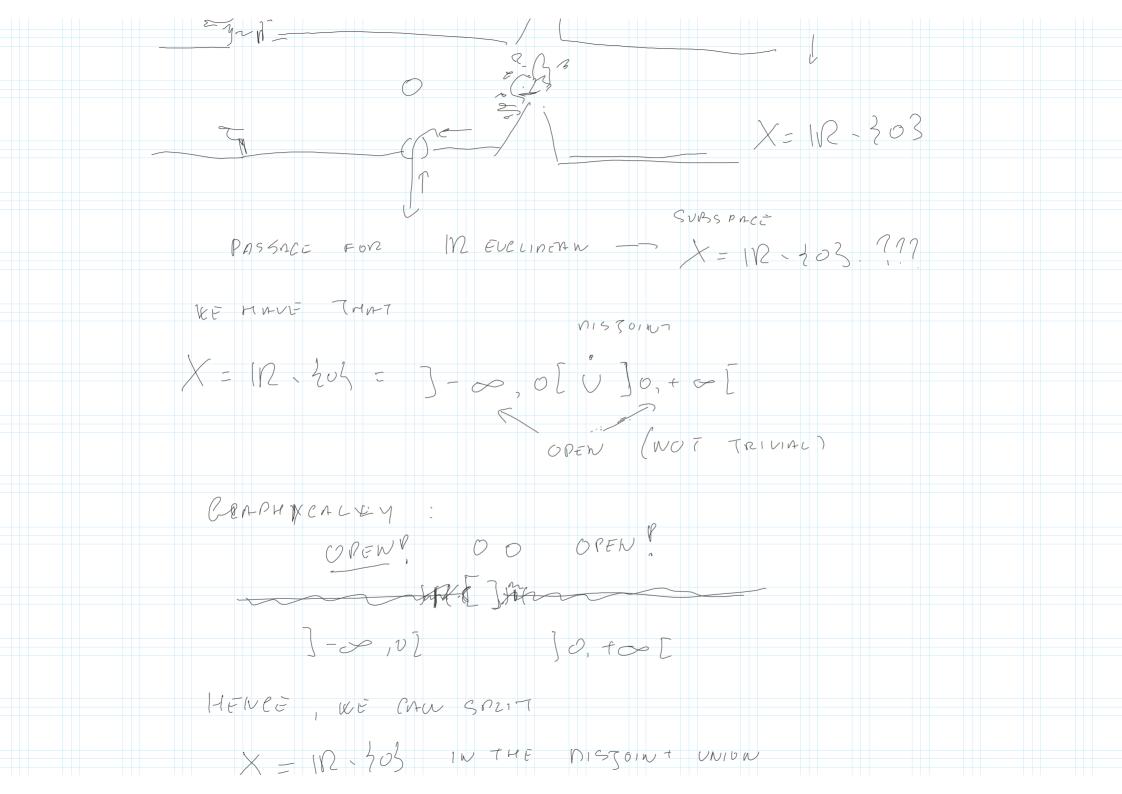


FUR EVERY Q, Q'EA, WE DEFINE d/Δ (e, e') = o' (a, e'). CLEMPLY, d/A: AXA -- IR IS AMETRICE FUNCT HEIVEE , (A, A) 15 A METROLE SPACE). $t \geq \sqrt{2} = c c \ln s \omega$, $A \omega \cap A = \{(n,y) \in \mathbb{R}^2; x \neq y \leq 1 \}$ ce o' (ce, ce') - d(ce, ce') CONNECTION PROPERTY (INTRODUCTION) CARTOON (LA LINEA"/THE "LINE")-



X = 12 < 2015 = 3 -0 , 0] O, + co Z CPER GNEW MAIN DEFINITION (X, A) METRIC SPACE. (X, d) IS SAIN TO "DISCONNECTED" (====) DA, AZ CX, A, AZ & \$\frac{1}{2} \, \text{(WUT Triving) A, AZ OPEN S.T. (i) A, AAZ = A (ii) A, UAz = X TRIVIALLY (X, λ) is connected (X, δ) not disconnected BREAK GUESTIONS?

