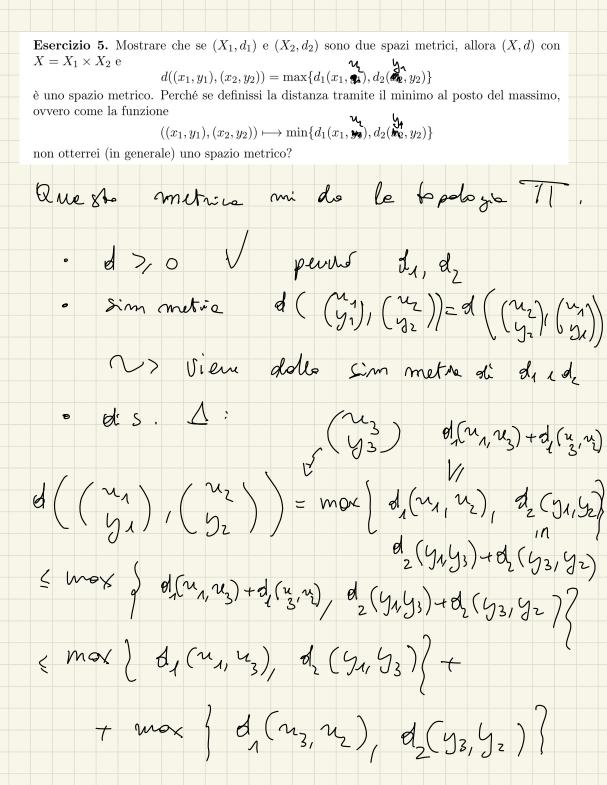
## (Ezions 6 12/04/22



$$= \emptyset \left( \begin{pmatrix} u_{1} \\ y_{1} \end{pmatrix}, \begin{pmatrix} u_{3} \\ y_{3} \end{pmatrix} + \emptyset \left( \begin{pmatrix} u_{3} \\ y_{3} \end{pmatrix}, \begin{pmatrix} u_{2} \\ y_{2} \end{pmatrix} \right) \right)$$

$$= \emptyset \left( \begin{pmatrix} u_{1} \\ y_{1} \end{pmatrix}, \begin{pmatrix} u_{2} \\ y_{2} \end{pmatrix} \right) = 0$$

$$= \max \left\{ d_{1} \left( u_{1}, u_{2} \right), d_{2} \left( y_{1}, y_{2} \right) \right\}$$

$$= \emptyset \left( \begin{pmatrix} u_{1} \\ u_{2} \end{pmatrix}, u_{2} \right) = d_{2} \left( y_{1}, y_{2} \right) = 0$$

$$= 0 \quad u_{1} = u_{2}, \quad y_{1} = y_{2}$$

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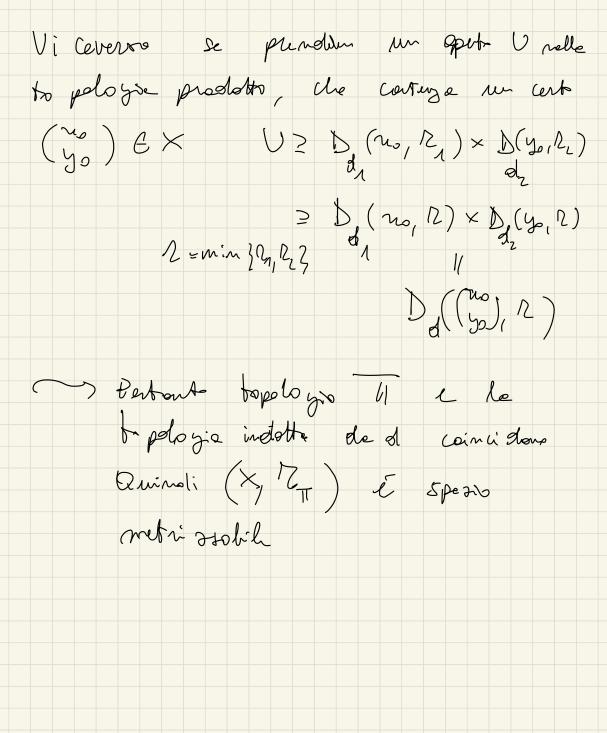
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$$= 0 \quad u_{3} = u_{3}, \quad y_{3} = 0$$

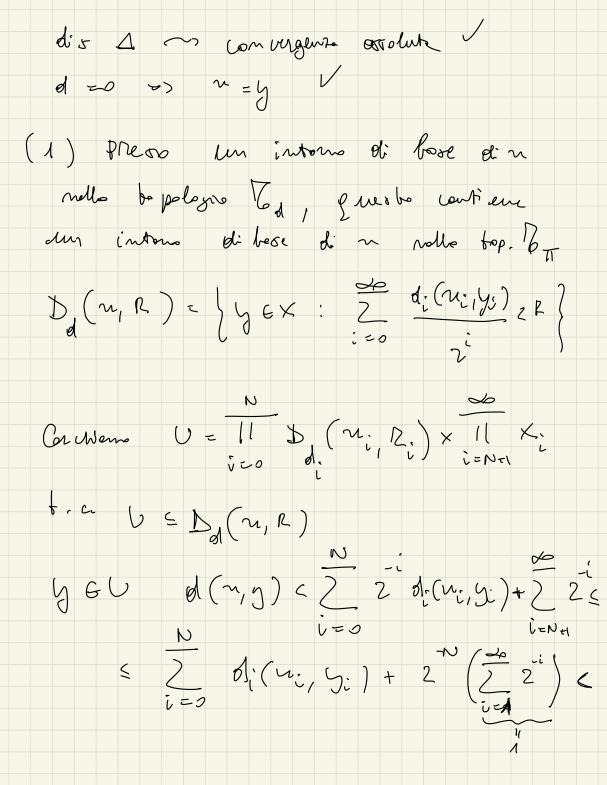
$$= 0 \quad u_{3} = u_{3}, \quad y_{3} = 0$$

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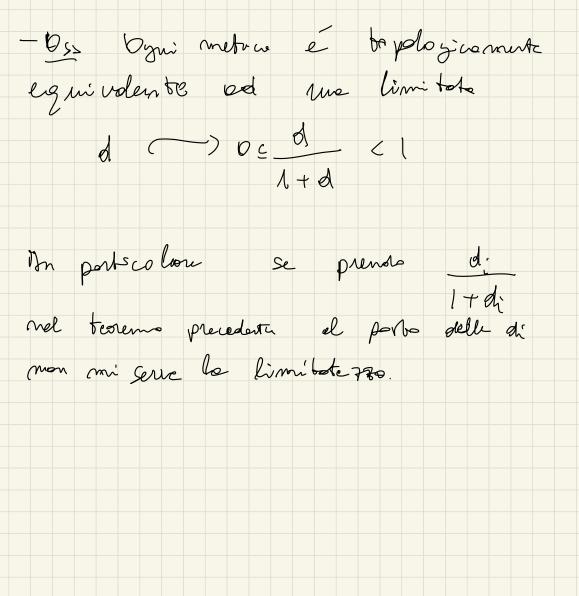
infinte ? In dime movane Sper metrici (Xi,di) i EN  $\times = \overline{(i \in M)} \times_{i}$ é on core 5 posto metio? le topologie produk e metri robble? - It! Supposion che Hi Oc di < 1. Allera la metira su X = U X  $d\left((u_{i\in N}, (y_{i})_{i\in N}) = \sum_{i=0}^{\infty} d_{i}(u_{i}, y_{i})$  i = 0  $2^{i}$ induce le bopologio predotto su X. Dim d 70 V simmetre V C+00



Fi ssion 
$$W$$
  $t.c.$   $2 < \frac{2}{2}$ 

Fi ssion  $R_i$   $t.c.$   $2 = \frac{R_i}{2(N+1)}$ 

$$\leq (NH) \frac{R}{2(9H)} + \frac{R}{2} = R$$



GRUPPI TO POLO CICI L'altre volle: - M Un grupp to pologico é un grupp (C, ·) dotato di une tropologie 66 tale che be funzione (G×G, 6pnop.) — (G, 76, ) (u, z) 1 — ng' Se Continue. - Prop (b, of Pop) gruppo bapologico. SSE le funcioni m; b× 6 -> 6 & G -> C ~ /--->~ ~ ~ ~  $(n,j) \longrightarrow ny$ Cont me. - Prop Tros le 7 eni Ce, Le, con myes la, i sons isoms vfirmi 2 om anna firmi.

