Aula 4 O que ja vimos Parkon en Ri 45 o' eme rete in R3 (condende canonito no plano 2:1 Parle o jam (a,b,1) Porto ideal 2-0 (A,B,O) Ruce en R is plane on R3 you parchele organ Mensers can E-1 Rec john Axt by + 62=0 7=c (A,B,O)

tach a

Coordinada Us de robes de Robes em RP2

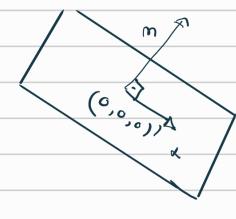
Os pontos a R3 do plono de R3 anocicos a une rela de RP2 são de dos pos.

 $\{\chi \mid < \infty, \chi > = 0, \chi \in \mathbb{R}^3 \}$

= ax + by + c7 = 0

(m, x) =0

13 Perpendicules 11 N 11 11 X 11 (0) 6=0



Ní perpendicula, a um volon

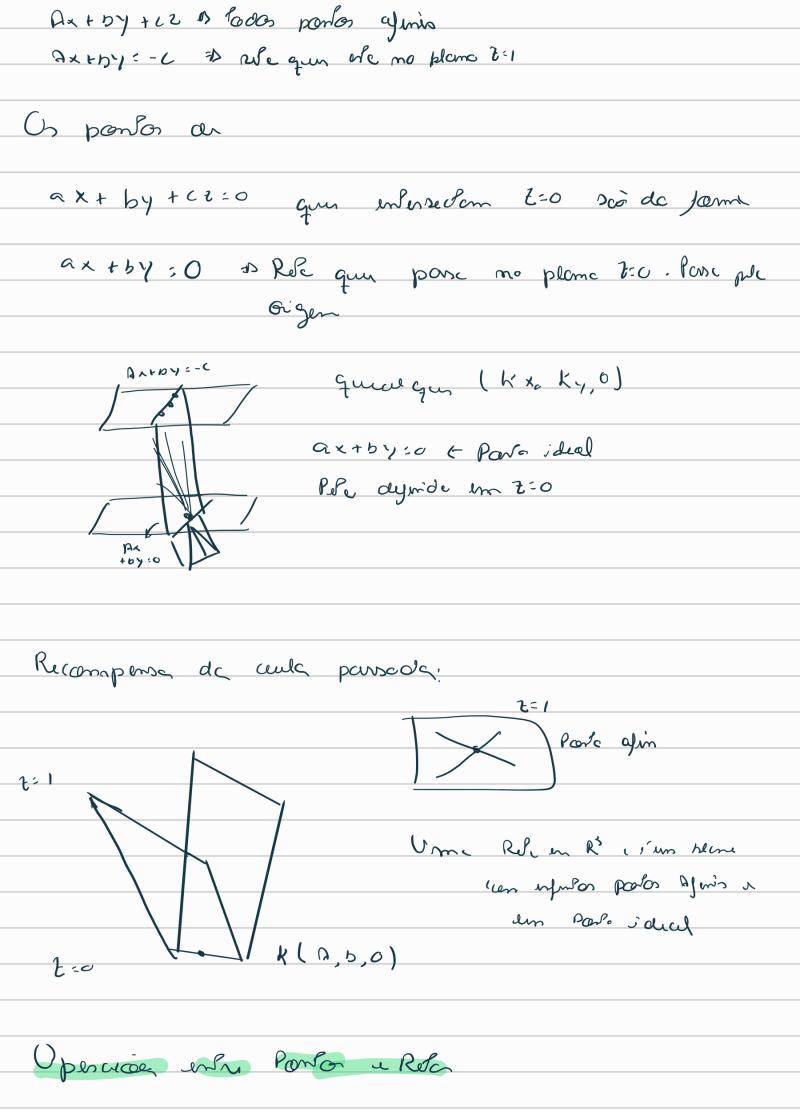
or plana R³ que dyma a

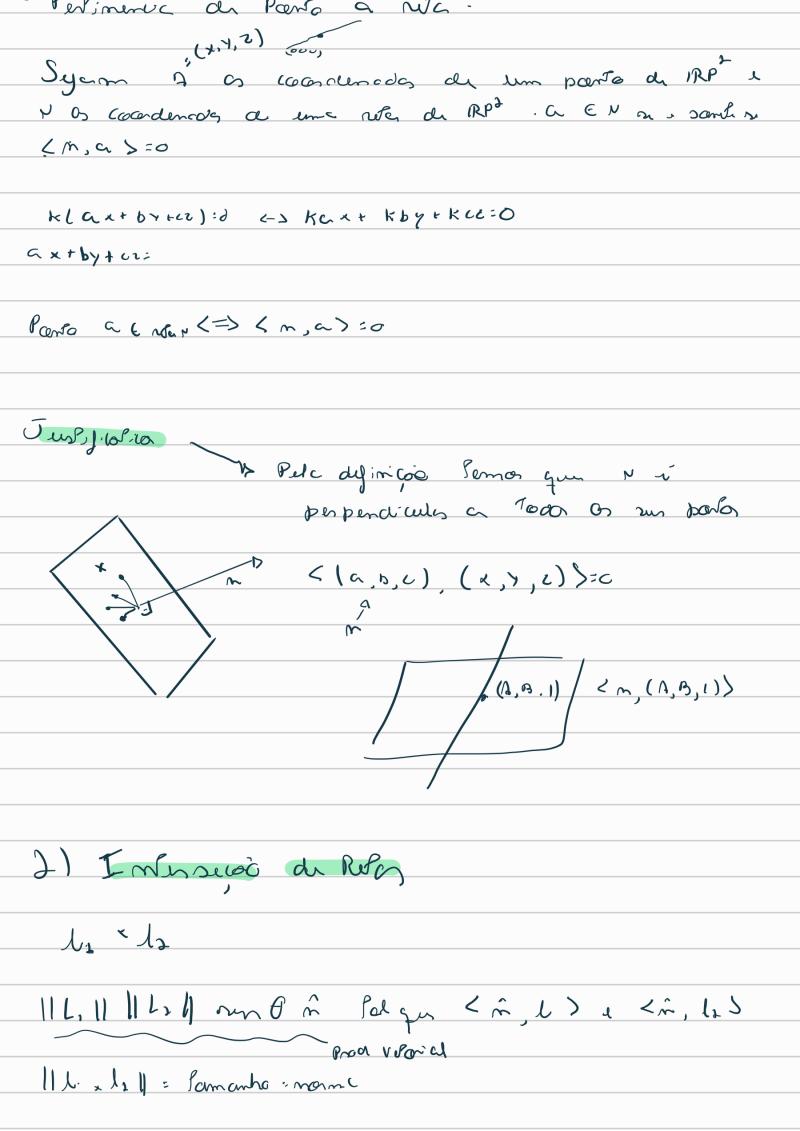
rela. Se o plana e' da

forma ax + by + cz = 0 N= (a,b,6)

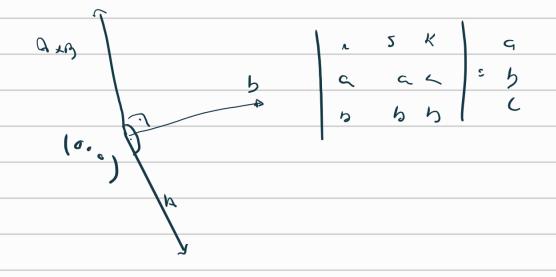
i smonine (*) <(a,b,c)>,<(x,7,2)>=0

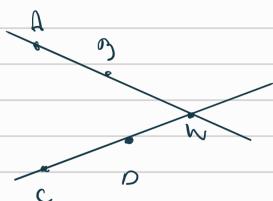
No plano Z=1 os coordencolos de axtby+cz=0 Soo da jorne ax+by+c2=0 on ax+by=-C quando 2-1 (Mescessão com o plano) = rela dejuida no plana til





Syon bels as coordender de dues ves de PP
finar que a marioù dersa Mar i dede par le ela
T
< l. 1 3 ; l, 5 = 0 L, 1/2 / See
So went im porte
(Ll. xla 1, >=0 besenur a lina
La qui a menser
L. 13, l, 5=0 L. 13 l, 5=0 L. 2 qui a Marioc RP* qui a Marioc RP* qui a Marioc RP* qui a Marioc Sei arev. um porte La qui a Marioc RP* qui a Marioc
RP2 que i a marecos
linds 5 % Virjon no C=0 v linds=ideal
li. 12 5 5 K Verifion 20 0 C=0 vi lials=ideal 50 \$0 => bials=ideal 4 5 v 16 nordel
Li padui
(×. w. n) 1)
(2. 2. 1) (Coordende comorito
>> Coordenede Comonilo
2)) 0
3) Rue que pource por dois pourtos
La rule que pour pelos pontos a ER a la beiR2 n' dode pos
be like in a color por
α_{xb}
Borger (ash, a) =0
Borger (ash, a) =0 (cab,b)=0
Coordenade de une rule RP2 perpusiule a NUB
phylia a 1000





$$\begin{array}{c|c} & & & \\ & & \\ \hline & & \\ & & \\ \hline & & \\ & &$$

