

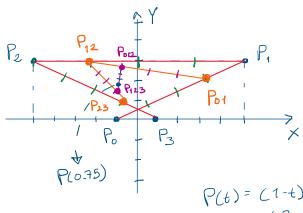
## · Parte I

$$P_{o} = (-1, 0)$$

$$P_{1} = (5, 3)$$

$$P_{2} = (-5, 3)$$

$$P_{3} = (1, 0)$$



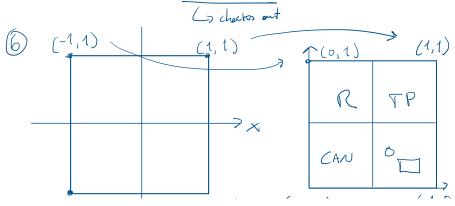
$$\Rightarrow P(0.75) = 0.25 P_{012} + 0.75 P_{123}$$

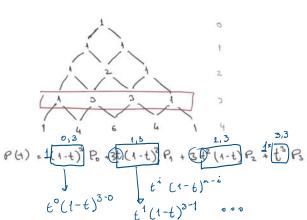
$$= 0.25 (0.25 P_{01} + 0.75 P_{12}) + 0.75 (0.25 P_{12} + 0.75 P_{23})$$

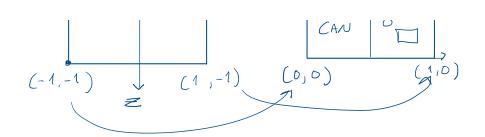
$$= 0.25 (0.25 (0.25 P_{0} + 0.75 P_{1}) + 0.75 (0.25 P_{1} + 0.75 P_{2})) + 0.75 (0.25 P_{1} + 0.75 P_{2}) + 0.75 (0.25 P_{1} + 0.75 P_{2})$$

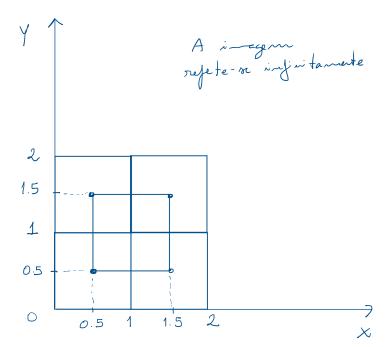
 $P = (1-t)^3 P_1 + 3(1-t)^2 t P_2 + 3(1-t)t^2 P_3 + t^3 P_4$ 

$$0.016 P_1 + 0.141 P_2 + 0.422 P_3 + 0.422 P_4$$
  
=  $(-0.016, 0)$   
+  $(0.705, 0.423)$   
+  $(-2,11, 1,266)$   
+  $(0,422,0)$   
=  $(-0,999, 1,689) \approx (-1, 1.7)$ 









$$(0.5, 0.5)$$
 $(1.5, 0.5)$ 
 $(1.5, 1.5)$ 
 $(0.5, 1.5)$ 



$$\vec{a} \times \vec{b} = |\vec{a}||\vec{b}||_{Sen(x)}$$

$$= | P_3 - P_2 | | P_1 - P_2 |$$

$$= \frac{M}{|M|}$$

