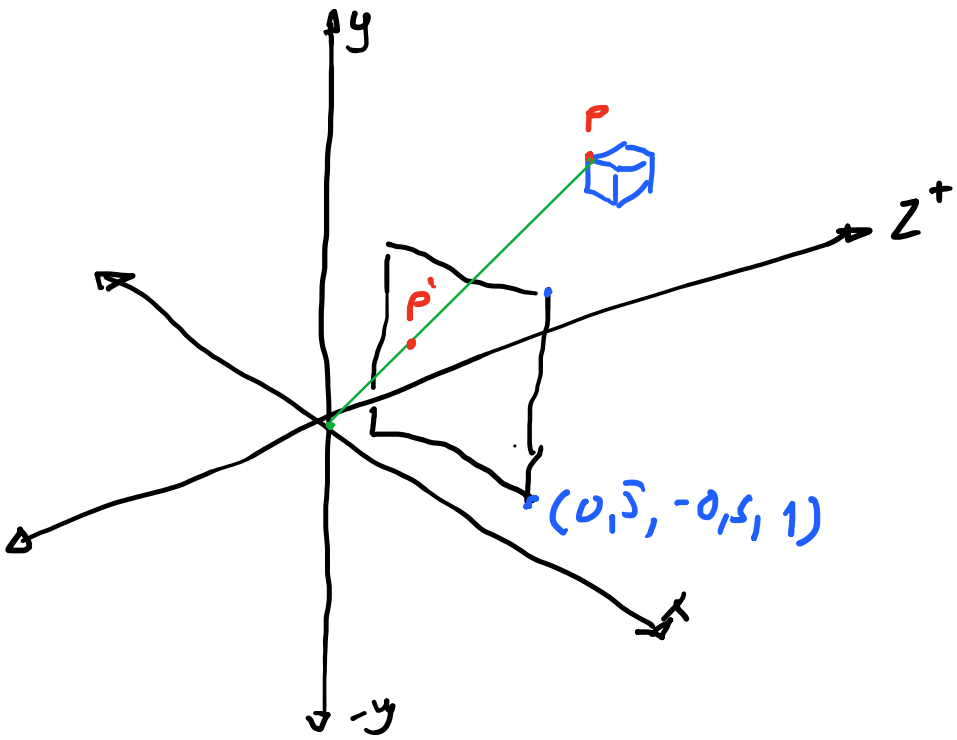
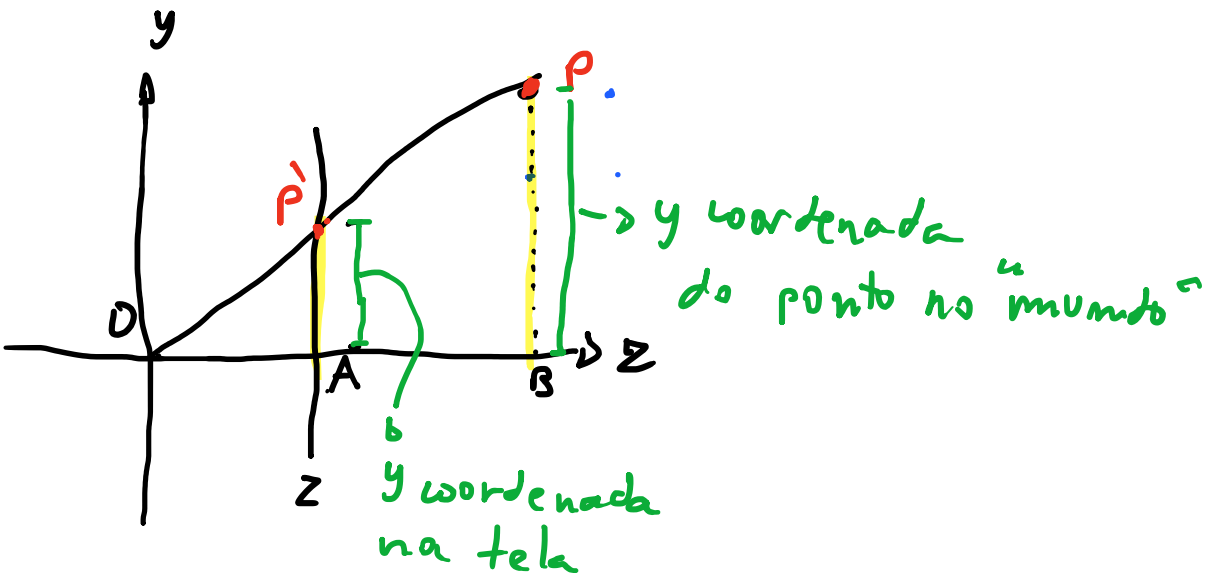
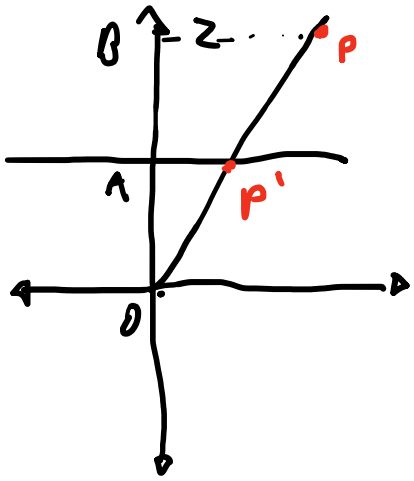
Desenhando linhas

sexta-feira, 22 de abril de 2022 18:03





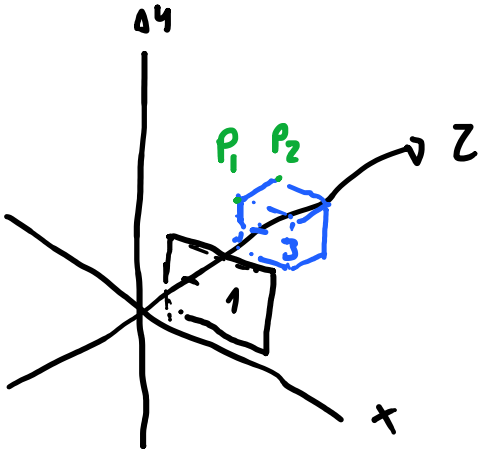
$$\frac{P'A}{OP} = \frac{PB}{OB} \rightarrow P'A = \frac{PB \cdot OP}{OB} \therefore P'_y = \frac{P_y \cdot d}{P_z}$$



$$\frac{PA}{OA} = \frac{PB}{OB} \therefore$$

$$P'_x = \frac{P_x \cdot d}{z}$$

$$\therefore P(x,y,z) \longrightarrow P'\left(\frac{x \cdot d}{z}, \frac{y \cdot d}{z}, d\right)$$



$P_1 = (-1, 1, 3)$

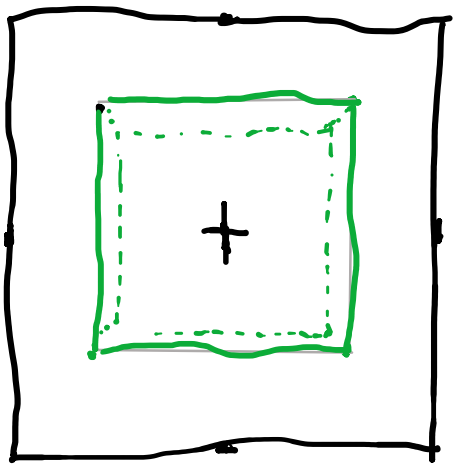
$P_2 = (-1, 1, 4)$

$P_3 = (-1, -1, 3)$

$P_4 = (-1, -1, 4)$

$P_1' = \left(\frac{-1 \cdot 1}{3}, \frac{1 \cdot 1}{3}, 1\right)$ $P_2' = \left(\frac{-1 \cdot 1}{4}, \frac{1 \cdot 1}{4}, 1\right)$

$P_1' = (-0{,}3, 0{,}3, 1)$ $P_2' = (-0{,}25, 0{,}25, 1)$



$P_3' = \left(\frac{-1 \cdot 1}{3}, \frac{-1 \cdot 1}{3}, 1\right)$

$P_4 = \left(\frac{-1 \cdot 1}{4}, \frac{-1 \cdot 1}{4}, 1\right)$