$$A = \{0_1 0_1 - 4\}$$

$$B = \{6_1 0_1 - 4\}$$

$$PRODUCEDA AN DANNE 2:-4$$

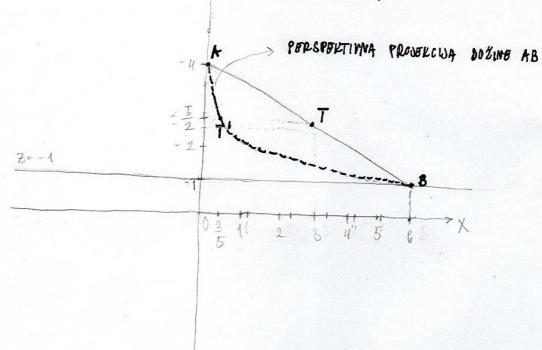
$$x_7 = \frac{y_8 + y_8}{2} = \frac{0 + e}{2} = 3$$

$$y_T = \frac{y_{K} + y_{S}}{2} = \frac{0 + \theta}{2} = 0$$

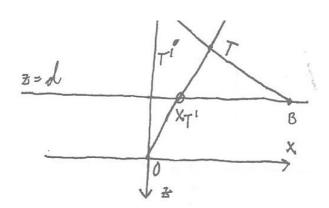
$$3T = \frac{34+36}{2} = -\frac{4+01}{2} = -\frac{5}{2}$$

$$x_T \mapsto \frac{d}{3\tau} = \frac{1}{3} = \frac{1}{3}$$

$$T' = \left(\frac{2}{5}, 0, -\frac{3}{2}\right)$$



$$\begin{array}{c} X & \longrightarrow \frac{d}{2} \\ Y & \longrightarrow \frac{d}{2} \end{array}$$



$$d = -1$$
 $A = (0,0,-4)$
 $B = (0,0,0)$

$$C = \left(\frac{42}{5}, 0, -\frac{42}{5}\right)$$

$$D = \left(5, 0, -\frac{2}{3}\right)$$

$$C_{\chi} \leftrightarrow \frac{d}{C_{\Xi}} = \frac{-1}{\frac{10}{5}} = \frac{5}{12} = C_{\chi}^{1}$$

$$Cy^* \mapsto \frac{d}{c_{\pm}} \cdot Cy = \frac{3}{12} \cdot 0 = 0 = Cy^*$$

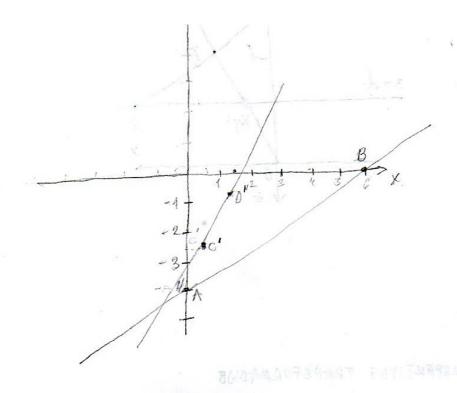
$$C' = \begin{pmatrix} \frac{3}{12} & 0 & -\frac{42}{5} \end{pmatrix}$$

$$D_{K} \leftrightarrow \frac{d}{D_{B}} = \frac{-1}{-\frac{2}{3}} = \frac{3}{2} = D_{K}^{1}$$

$$Dy \longleftrightarrow \frac{d}{Dz} \cdot Dy = \frac{3}{2} \cdot 0 = 0 = Dy$$

$$\mathbb{D}_{\mathbb{Z}} \longleftrightarrow \mathbb{D}_{\mathbb{Z}} = -\frac{2}{3} = \mathbb{D}_{\mathbb{Z}}'$$

$$D^1 = \left(\frac{3}{2} \cdot \theta_1 - \frac{2}{3}\right)$$



DOKAZ:

Da ova dia statea mish pavalelna movemo pokazati somoću skalavnog skalukta blokeva boji leže ma ovim statuma $\vec{a} = \vec{D}'\vec{C}'$ $\vec{b} = \vec{B}\vec{K}$. Also su seletovi savalelni, but vometu mish je 0°. Ja elesimiscije skalavnog stodubta ella sebtova: $\vec{a} \cdot \vec{b} = ||\vec{c}|| \cdot ||\vec{b}|| \cdot ||\vec{c}|| \cdot ||\vec{c}||$ skujedi da će dia sebtova biti savalelna ako bijedi.

 $\vec{a} \cdot \vec{b} = ||\vec{a}|| \cdot ||\vec{b}||$. Also polazione da oto ne lovjedi: polazioli sono da la dia bilistica pa mi parev na bojuma oni lesse. $\vec{a} = \vec{b}'\vec{c}' = \vec{b}' - \vec{c}' = \left(\frac{3}{2}, 0, -\frac{2}{3}\right) - \left(\frac{5}{12}, 0, -\frac{12}{5}\right) = \left(\frac{13}{12}, 0, \frac{26}{15}\right)$ $||\vec{a}|| = \sqrt{\left(\frac{13}{12}\right)^2 + 0^2 + \left(\frac{26}{15}\right)^2} = \frac{13\sqrt{83}}{6.0}$

$$\vec{b} = \vec{b}\vec{k} = \vec{b} - \vec{A} = (6,0,0) - (0,0,-4) = (6,0,4)$$

$$||\vec{b}|| = \sqrt{c^2 + o^2 + q^2} = 2\sqrt{48}$$

 $|\vec{a}| \cdot |\vec{b}| = \frac{13}{12} \cdot (4 + 0.0 + \frac{26}{15} \cdot 4 = 13.43)$ $||\vec{a}|| \cdot ||\vec{b}|| = \frac{13\sqrt{43}}{15} \cdot (\sqrt{43} + 2.44.74)$