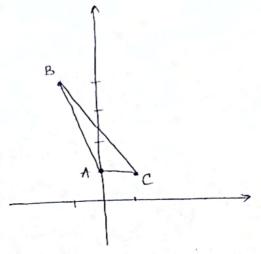
Jeopyap 2021.

1 Alon) B(-1,4) C(1,1)

$$P_{\Delta} = \frac{3}{2}$$

T (0,2)



BT: 
$$y-y_1 = \frac{y_2-y_1}{x_2-x_1}(x-x_1)$$

$$y - 2 = \frac{4 - 2}{-1} \times$$

A: 0+1-2=-1<0 => warke Au ( cy ca cyupuwte C: 2+1-2=170 => warke Au ( cy ca cyupuwte BT

$$\begin{pmatrix} (4-t)^{2}, \mathcal{H}(4-t), t^{2} \end{pmatrix} \begin{pmatrix} P_{0} \\ P_{1} \\ P_{2} \end{pmatrix} = \begin{pmatrix} 1_{1}t_{1}t^{2} \end{pmatrix} \begin{pmatrix} 1 & 0 & c \\ -2 & 2 & c \\ 1 & -2 & 1 \end{pmatrix} \begin{pmatrix} P_{0} \\ P_{1} \\ P_{2} \end{pmatrix}$$

$$= \begin{pmatrix} 1_{1}t_{1}t^{2} \end{pmatrix} \cdot M \cdot \begin{bmatrix} P_{0} P_{1} P_{2} \end{bmatrix}^{T}$$

6) 
$$t \in [3,8]$$

$$F_{0}(-3,-1) \quad F_{1}(2,7) \quad F_{2}(-8,2)$$

$$t = \frac{u-a}{6-a} = \frac{u-3}{5}$$

$$\alpha_{2}(u) = \sum_{k=0}^{n} \binom{n}{k} \left(\frac{u-3}{5}\right)^{k} \left(1 - \frac{u-3}{5}\right)^{n-k} \quad F_{k}$$

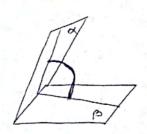
$$= \left(1 - \frac{u-3}{5}\right)^{2} \quad F_{0} + 2 \quad \left(\frac{u-3}{5}\right) \left(1 - \frac{u-3}{5}\right) \quad F_{1} + \left(\frac{u-3}{5}\right)^{2} \quad F_{2}$$

$$= \left(\frac{8-u}{5}\right)^{2} \left(-3,-1\right) + \left(\frac{2u-6}{5} \cdot \frac{8-u}{5}\right) \left(2,7\right) + \frac{u^{2}-6u+9}{25} \left(-8,2\right)$$

$$= \frac{69-16u+11^{2}}{25} \quad \frac{16n-2u^{2}-9x+6u}{25} = \frac{-2k^{2}+22u+98}{25}$$

$$= \frac{1}{25} \left(-\frac{192}{2}(980-3u^{2}-9u^{2}+99u-96-8u^{2}+980-72,-69+16u+16}\right)$$

$$= \frac{1}{25} \left( -15 \ln^2 + 140 \ln -360, -13 \ln^2 + 156 \ln -382 \right)$$



of 
$$P(-1,0,1)$$
  $Q(1,0,-1)$   
 $p: x+y+z=0$   $y$   
 $x-y+z=0$   $\delta$   
 $x-y+z=0$   $\delta$   
 $x: x+2y-2z+1=0$   $f=\frac{J}{4}$   
 $\beta=?$   $h \vec{n}_{x}=(1,2,-2)$ 

1) 
$$\beta = \gamma = x + y + \frac{1}{2} - \frac{1}{\sqrt{1}} = \frac{1}{\sqrt{1}} = \frac{1}{\sqrt{1}}$$

$$\frac{\sqrt{2}}{2} = \frac{1}{\sqrt{1}} + \frac{1}{2} + \frac{1}{2} = \frac{1}{3\sqrt{3}} + \frac{1}{2}$$

$$= \gamma \text{ thus we want a patate}$$

2) 
$$\beta = \gamma + \lambda \delta = x + y + \frac{1}{2} + \lambda (x - y + \frac{1}{2}) = 0$$

$$\frac{\sqrt{2}}{2} = \frac{|A + \lambda + x - 2\lambda - x - 2\lambda|}{3 \cdot \sqrt{A_2 x + \lambda^2} (1 - 2x + \lambda^2 + 1 + 2\lambda + \lambda^2)}$$

$$\frac{\sqrt{2}}{2} = \frac{|A - 3\lambda|}{3 \sqrt{3\lambda^2 + 2\lambda + 3}} / 2$$

$$\frac{2}{4} = \frac{|A - 6\lambda + 9\lambda|}{9(3\lambda^2 + 2\lambda + 3)} / 2$$

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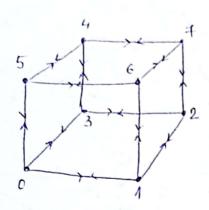
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$$\frac{2}{4} = \frac{|A - 6\lambda + 9\lambda|}{9(3\lambda$$



$$T = \{0, \dots, 7\}$$

$$P = \{p_0, \dots, p_5\}$$

$$P_0 = \{0, 1, 2, 37\}$$

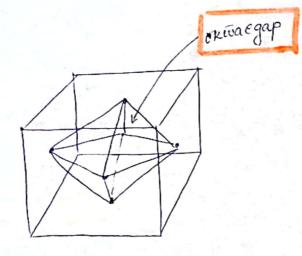
$$P_1 = \{1, 0, 5, 67\}$$

$$P_2 = \{2, 1, 6, 7\}$$

$$P_3 = \{3, 2, 7, 14, 7\}$$

$$P_4 = \{0, 3, 7, 5, 7\}$$

$$P_5 = \{6, 5, 4, 7, 7\}$$



A (20,20) C (120,160)

$$\mathcal{H} \begin{pmatrix} 400 \\ 300 \end{pmatrix} = \begin{pmatrix} 3 & 0 \\ 0 & 3 \end{pmatrix} \begin{pmatrix} 70 \\ 80 \end{pmatrix} + \begin{pmatrix} a \\ 6 \end{pmatrix}$$