N= 1 , 1-U= 1-1 2 - 2 Pro= (1-u)Po+uPr= 1 (-10)+1 (-2,2)=(-1-3,-3,-2)=(-2,1) PM= (1-4)P1+4P2= 1 (-3,2)+1 (1,4)= (-3+1,2+4)= (-1,3) Az=(1-4)Pz+4P3=1(14)+1(3,2)=(1+3/4+2/2)=(2,3) Ph3=(14)98+494=1(3,2)+1(-1,-4)=(3,-1, 2,-4)=(1,-1) Au= (1-u) Pu+12 Ps= = (-1,-4)+ = (-3,-2)= (-1,-2,-3,-4,-2)= (-1,-3) Scanned with CamScanner

3agara lagena e guloa na beque, gedounupana epez congo-nume roccu; Po(-1,0), Pr(-3,2), P2(1,4), P3(3,2), P4(-1,-4), P6(-3,-2)

 $P_{0}(-1,0) \Rightarrow P_{0}(-2,1) \Rightarrow P_{0}(-\frac{3}{3},2) \Rightarrow P_{0}(-\frac{1}{3},2) \Rightarrow P_{0}(-\frac{1}{3},2$

as outed rod pulsara, contrate sayund (B

Шодитьиа на дьо вастино.

Pemorno:

$$B_{5}(\sqrt{\frac{1}{2}}) = \frac{N!}{0!(5-0)!} \left(\frac{1}{2}\right)^{6} \left(1-\frac{1}{2}\right)^{5-0} = \left(\frac{1}{2}\right)^{5} = \frac{1}{32}$$

$$B_{5,1}\left(\frac{1}{2}\right) = \frac{5!}{1!(5-1)!} \left(\frac{1}{2}\right)^{1} \left(1 - \frac{1}{2}\right)^{5-1} = \frac{5 \times 2 \times 1}{1 + 2 \times 1} \cdot \frac{1}{2} \left(\frac{1}{2}\right)^{4} = \frac{5}{2} \cdot \frac{1}{16} = \frac{5}{32}$$

$$B_{5,2}\left(\frac{1}{2}\right) = \frac{5!}{2!(5-2)!} \left(\frac{1}{2}\right)^{2} \left(1 - \frac{1}{2}\right)^{5-2} = \frac{5 \times 2 \times 1}{1 + 2 \times 1} \cdot \frac{1}{4} \cdot \left(\frac{1}{2}\right)^{3} = \frac{10}{4} \cdot \frac{1}{8} = \frac{10}{32}$$

$$85.3\left(\frac{1}{\lambda}\right) = \frac{5!}{8!(5-3)!} \left(\frac{1}{\lambda}\right)^3 \left(1-\frac{1}{\lambda}\right)^{5-3} = \frac{5!432.1}{32.1 \cdot 2.1} \cdot \frac{1}{8} \cdot \left(\frac{1}{\lambda}\right)^2 = \frac{10}{8} \cdot \frac{1}{4} = \frac{10}{32}$$

$$864\left(\frac{1}{\lambda}\right) = \frac{5!}{4!(54)!} \left(\frac{1}{\lambda}\right)^4 \left(1-\frac{1}{\lambda}\right)^{5-4} = \frac{5!432.1}{4324.1} \cdot \frac{1}{16} \cdot \frac{1}{\lambda} = \frac{5}{32}$$

$$85.5 \left(\frac{1}{\lambda}\right) = \frac{5!}{5!(5-5)!} \left(\frac{1}{\lambda}\right)^{5} \cdot \left(\lambda - \frac{1}{\lambda}\right)^{5-5} = \left(\frac{1}{\lambda}\right)^{5} = \frac{1}{38}$$

$$C\left(\frac{1}{\lambda}\right) = 85.0 \left(\frac{1}{\lambda}\right)^{10} + 85.1 \left(\frac{1}{\lambda}\right)^{10} + 85.2 \left(\frac{1}{\lambda}\right)^{10} + 85.5 \left(\frac{1}{\lambda}\right)^{10} + 85.$$

$$\left(\left(\frac{1}{3} \right)^{2} \left(\frac{1}{3\lambda} - \frac{15}{3\lambda} + \frac{10}{3\lambda} + \frac{30}{3\lambda} - \frac{5}{3\lambda} - \frac{2}{3\lambda} \right) \frac{10}{3\lambda} + \frac{40}{3\lambda} + \frac{80}{3\lambda} - \frac{20}{3\lambda} - \frac{2}{3\lambda} \right) = \left(\frac{1}{3} , \frac{3}{3} \right)$$
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в) Увеничет спенента на кривоста с единица и наперете новите вангронии пости и насергайте новия контракт помитон. C(u): Po(-1.0), P. (-3.2), P. (1.4), Po(3.2), P. (-1.-4), Po(-3.-2) N=5-> 6 D(u): Qo, Q1, Q2, Q3, Q4, Q5, Q6 lo=Po -> lo(-1,0)

$$b = P_5 = Q_6(-1,0)$$

 $Q_{\beta} = P_5 \Rightarrow Q_{\beta}(-3,-2)$

$$\frac{1}{12} = \frac{1}{N+1} P_{1-1} + \left(1 - \frac{1}{N+1}\right) P_{1} + \frac{1}{N+1} P_{1} + \frac{1}{N+$$

$$0 = \frac{1}{6}P_0 + \left(1 - \frac{1}{6}\right)P_1 = \frac{1}{6}\left(-1,0\right) + \frac{5}{6}\left(-3,2\right) = \left(-\frac{1}{6} - \frac{15}{6}, \frac{10}{6}\right) = \left(-\frac{16}{6}, \frac{10}{6}\right) = \left(-\frac{8}{3}, \frac{5}{3}\right)$$

$$0 = \frac{1}{6}P_0 + \left(1 - \frac{1}{6}\right)P_1 = \frac{1}{6}\left(-1,0\right) + \frac{5}{6}\left(-3,2\right) = \left(-\frac{1}{6} - \frac{15}{6}, \frac{10}{6}\right) = \left(-\frac{16}{6}, \frac{10}{6}\right) = \left(-\frac{8}{3}, \frac{5}{3}\right)$$

$$(\frac{1}{6})^{1} = \frac{1}{6}(-3,1) + \frac{1}{2}(-1,0) + \frac{1}{2}(-1,$$

$$Q_{2} = \frac{2}{6}R_{1} + \left(1 - \frac{2}{6}\right)P_{2} = \frac{2}{6}(-3\lambda) + \frac{4}{6}(1\lambda) = \left(-\frac{6}{6} + \frac{4}{6}\right) + \frac{4}{6}\left(-\frac{1}{6}\right) = \left(-\frac{2}{6}\right) + \frac{10}{6} = \left(-\frac{1}{3}\right) + \frac{10}{3}$$

$$0 = \frac{3}{6}P_{8} + (1 - \frac{3}{6})P_{3} = \frac{3}{6}(1/4) + \frac{3}{6}(3/2) = (\frac{3}{6} + \frac{3}{6}, \frac{12}{6} + \frac{6}{6}) = (\frac{13}{6}, \frac{18}{6}) = (\frac{1}{6}, \frac{3}{6})$$

Us= 5 Pu + (1-5) Ps= 5 (1-4)+1 (-3-2)=(-5-3-15-2)=(-8-14)=(-4-3-2)=(-5-3-6-6)=(-8-14)=(-4-5-6)=(-4-4)+16-(-3-2)=(-5-3-6-6)=(-8-6

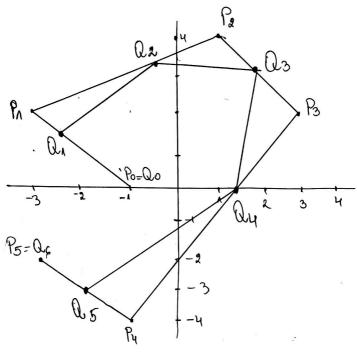
 $\mathcal{D}(u), \mathcal{Q}(-1,0), \mathcal{Q}(-\frac{1}{3},\frac{2}{3}), \mathcal{Q}(-\frac{1}{3},\frac{1}{2}), \mathcal{Q}(-\frac{1}{3},\frac{1}{3}), \mathcal{Q}(-\frac$

$$= + \frac{6}{6} = \left(\frac{1}{2}\right)$$

$$\left(\frac{1}{6}\right) = \left(\frac{1}{12}\right), \frac{18}{18}$$

$$(-\frac{2}{6},\frac{10}{6})$$

$$= \left(-\frac{8}{3}, -\frac{5}{3}\right)$$



Peproni: a = Po

On revior na parroso Po Pr

On revior na parroso Pr Pr

Satchement edocuto na orpostano na boprolocine na apaqua nontoponen nanura - P1, P2, P3, P4

$$C^{2}(u) = C(u) + B_{n}; (u) \overrightarrow{V}$$

$$= C^{2}(\frac{1}{2}) = C(\frac{1}{2}) + B_{5}; (\frac{1}{2}) \overrightarrow{V}$$

$$C(\frac{1}{2}) = (\frac{1}{2}, \frac{3}{2})$$

$$\mathcal{D}_{2}(\frac{1}{3}) = \frac{1}{2} \frac{1}{3} \frac{3}{3}$$

$$\mathcal{D}_{2}(\frac{1}{3}) = \frac{1}{2} \frac{1}{3} \frac{$$

$$C^{\times}\left(\frac{1}{3}\right) = C\left(\frac{1}{3}\right) + B_{5}, 4\left(\frac{1}{3}\right)^{-1} = C^{\times}\left(\frac{1}{3}\right) + \left(\frac{1}{3}, \frac{3}{3}\right) + \frac{5}{33}\left(115\right)$$

$$C^{\times}\left(\frac{1}{3}\right) = C\left(\frac{1}{3}\right) + B_{5}, 4\left(\frac{1}{3}\right)^{-1} = C^{\times}\left(\frac{1}{3}\right) + \left(\frac{1}{3}, \frac{3}{3}\right) + \frac{5}{33}\left(115\right)$$

V=P4-P4= (0,1)-(-1,-4)=(1,5)

$$C^{x}\left(\frac{1}{2}\right) = \left(\frac{1}{2}, \frac{3}{3}\right) + \left(\frac{5}{32}, \frac{25}{32}\right) = \left(\frac{21}{32}, \frac{43}{32}\right)$$

$$= C^{x}\left(\frac{1}{2}\right) = \left(\frac{21}{32}, \frac{43}{32}\right)$$

1) hauspere
$$\dot{c}(\frac{1}{2})$$
 u $\dot{c}(\frac{1}{2})$
Peureure:

$$C(\frac{1}{3}) = 5 \left[P_{uu} - P_{uo} \right] = 5 \left[\left(\frac{3}{4}, \frac{3}{4} \right) - \left(\frac{1}{4}, \frac{9}{4} \right) \right]$$

$$= 5 \left(\frac{3}{4}, \frac{1}{4}, \frac{3}{4}, \frac{9}{4} \right) = 5 \left(\frac{2}{4}, \frac{-6}{4} \right) = 5 \left(\frac{1}{2}, \frac{-3}{2} \right)$$

$$= > C(\frac{1}{3}) = \left(\frac{5}{2}, \frac{-15}{2} \right)$$

$$\begin{array}{l}
\overset{\circ}{C}(u) = N(N-1) \left[P_{N-2,2} - 2P_{N-2,1} + P_{N-2,0} \right] \\
\overset{\circ}{C}(\frac{1}{2}) = 5.4 \left[P_{32} - 2P_{31} + P_{30} \right]
\end{array}$$

Peturene: Where $C(0) = C(1) = P_0 = P_5 = (0, -2)$ Прешагам первале производии в точнаго на Classinglan c(0)=n[Pn-Po] => c(0)=5[P1-Po]=5[(-2,-4)-(0,-2)] => c(0)=5(-2,-2)=(-10,-10) C(N)= n [P5-P4] = 5[[0,-2)-(2,0)]=5(-2,-2)= (-10,-10) c(0)=c(1)=> voujectoylog C'u 6'-reup. When work of m °(0)= ~(n-1)[P2-2P1+P0] "(0)= 5.4 [(-2,2)-2(-2,-4)+(0,-2)]=(40,160) °C(1)=n(n-1)[Pn-2Pn-1+Pn-2] [(1)=5.4 [P5-2P4+P3]=20[(0,-2)-2(2,0)+(6,10)] => C(N)= (40,160) C(0)=C(1)=>0 or C^2 or C^2 we personation. Scanned with CamScanner

Bagara. Dagena e upuba na Segue (lu)

Po(0,-2), Pr(-2,-4), P2(-2,2), P3(6,10), P4(2,0), P5(0,-2)

Dupequere beinga ha hemperochatolità le Tolerata ha

вефинирана ерез контрания поштон

Colopinabane.

$$\mathcal{E}(0) = \frac{|\hat{c}(0) \times \hat{c}(0)|}{|\hat{c}(0)|^3} = \mathcal{E}(1) = \frac{|\hat{c}(1) \times \hat{c}(1)|}{|\hat{c}(1)|^3}$$

$$\hat{c}(0) = (-10, -10) = \hat{c}(0) = (-10, -10, 0)$$

$$\hat{c}(0) = (40, 160) = \hat{c}(0) = (40, 160, 0)$$

$$\hat{c}(0) \times \hat{c}(0) = (\frac{1-10}{160}) = (\frac{1-10}{160}) = (0, 0, -1200)$$

$$\hat{c}(0) \times \hat{c}(0) = (\frac{1-10}{160}) = (0, 0, -1200)$$

$$\hat{c}(0) \times \hat{c}(0) = (0, 0, -1200) = (0, 0, -1200)$$

 $8(10) = \frac{10(0) \times 0(0)}{10(0)} = \frac{1200}{(10)} = \frac{1200}{(10)} = \frac{312}{1000.212} = \frac{312}{10}$

¿(1) x °(1) = (0,0,-1200); | ((1) x °(1) | = 1200

10(0) = ((10)2+(10)2+02 = 10/2

8701 = 1 (1))1

°(1)= (-10,-10) => °(1)=(-10,-10,0)

"(1) = (40,160) => "(1)=(40,160,0)

 $\Re(1) = \frac{|\dot{c}(1) \times \ddot{c}(1)|}{|\dot{c}(1)|^3} = \frac{1200}{(10\sqrt{2})^3} = \frac{3\sqrt{2}}{10}$

=> luo) = lui) => voujectog ba de reup.