pagaxa 2: 2) Po (0,0) - Pro (0,3) Pr (0,4) Pr (-3,4). P30 (-24, 9) 27(章/三) P3 (0, -4) P12 (-7,-2) P4 (0,0) = P13 (0,-1) Pa2 (-2, -5) U=0,75 = 35 7-4= 1-3 = 1 Pro = 1 Po + 3 Pr = 7 (0,0) + 3 (0,4) = (0,3) Pu = 1 P2 + 3 P2 = 2 (0,4) + 3 (-4,4) = (-3,4) Paz = 1 Pz + 3 P3 = 2 (-4, 4) + 3 (0, -4) = (-1, -2) Pis = 1 Ps + 3 Py = 1 (0, -4) + 3 (0,0) = (0, -1) $P_{20} = \frac{1}{4} R_{10} + \frac{3}{4} P_{11} = \frac{1}{4} (0,3) + \frac{3}{4} (-3,2) = (0,3) + (\frac{3}{4})^{3}$ $= (-\frac{3}{4}, \frac{15}{4})$

$$R_{1} = \frac{1}{4} P_{10} + \frac{3}{4} P_{12} = \frac{7}{4} (-34) + \frac{3}{4} (-1, -2) = \frac{7}{4} (-3, -\frac{7}{4}) + \frac{3}{4} (-2, -\frac{7}{4}) = \frac{7}{4} (-\frac{3}{4}, -\frac{7}{4}) + \frac{3}{4} (-\frac{7}{4}, -\frac{7}{4}) = \frac{7}{4} (-\frac{7}{4}, -\frac{7}{4}) + \frac{7}{4} (-\frac{7}{4}, -\frac{7}{4}) + \frac{7}{4} (-\frac{7}{4}, -\frac{7}{4}) = \frac{7}{4} (-\frac{7}{4}, -\frac{7}{4$$

$$\begin{aligned} & \text{Puo} = \frac{1}{4} P_{30} + \frac{3}{4} P_{37} = \frac{1}{4} \left(\frac{24}{16}, \frac{9}{16} \right) + \frac{3}{4} \left(\frac{9}{16}, \frac{14}{16} \right) \\ & = \left(-\frac{24}{64}, \frac{9}{64} \right) + \left(-\frac{24}{64}, \frac{-57}{64} \right) \\ & = \left(-\frac{57}{64}, \frac{42}{64} \right) \\ & = \left(-\frac{57}{4}, \frac{42}{64} \right) \\ & = \left(-\frac{57}{64}, \frac{42}{6$$

C(1) = ((0) $\frac{2(0)}{2} = 12[(-4,4) - 2(0,4) + (0,0)] =$ = 12[(-4,4) + (0,-8)] = 12(-4,-4) = (-48,-48)((1) = 12 [(0,0)-2(0,-4)+(-4,4)] = = 72 [(0,8)+(-4,4)]=72(-4,72)=(48,144) > C(1) + C(0) => # C-Herry ((1) - ((0) M((1) = (0)) ((1) - ((0) = (-48,144) - (-48,-43) = (0,192) $(0) - (0) = \lambda (1)$ $(0, 192) \neq (0, 16) = 2 A G^2 - Herg.$ 1. dcco = dcco decos = 1000) x 0001 = decos = 1000 x 0001 100013 (co) $C(0) = (0, 16) \rightarrow (0, 16, 0)$ $C(0) = (0, 16) \rightarrow (0, 16, 0)$ C(0) x E CO) = (16 0 , -10 0 , 0 16) -48 0 , -48 -48) (0,0,768) >1c(0) x ((0)1 = 768

$$|\dot{C}(0)| = \sqrt{256}$$

$$= 2 \& u_{C} = \frac{768}{(\sqrt{26})^3}$$

$$\dot{C}(1) = (0, 16) \rightarrow (0, 16, 0)$$

$$\dot{C}(1) = (48, 144) \rightarrow (-48, 144, 0)$$

$$\dot{C}(1) \times \dot{C}(1) = (160) - (00) - (06)$$

$$= (0, 0, 768)$$

$$= 2 & \dot{C}(1) \times \dot{C}(1) = 768$$

$$|\dot{C}(1)| = \sqrt{26}$$

$$= 2 & \dot{U}_{C} = 768$$

$$= 2 & \dot{U}_{C}$$

3 agara 3:
I Enzylowe:
$$u_8 \mid u_4 \mid u_5 \mid u_6 = u_7 = u_8$$

 $u_9 = u_9 = u_8 \mid u_8 \mid u_4 \mid u_5 \mid u_6 = u_7 = u_8$
 $u_9 = u_9 = u_8 \mid u_8 \mid u_4 \mid u_5 \mid u_6 = u_7 = u_8$
 $u_9 = u_9 \mid u$

$$Q_{2} = (1-a_{2})P_{2} + a_{2}P_{2}$$

$$a_{2} = \frac{9}{1}P_{2} + \frac{7}{1}P_{2}$$

$$= \frac{7}{2}(-2,0) + \frac{7}{2}(0,0) = 1-a_{2} = \frac{7-7}{2} = \frac{7}{2}$$

$$= \frac{7}{2}(-2,0) + \frac{7}{2}(0,0) = 1-a_{2} = \frac{7-7}{2} = \frac{7}{2}$$

$$= (-1,0)$$

$$v_{0} = v_{1} = v_{2} \quad v_{3} \quad v_{4} \quad v_{5} \quad v_{6} \quad v_{7} = v_{8} = v_{9}$$

$$0 \quad | 0,3 \quad 0,5 \mid 0,6 \quad 0,9 \mid 7$$

$$P_{0} \quad | P_{1} \quad | P_{2} \quad | P_{3} \quad | P_{4} \quad | P_{5} \quad | P_{6} \quad | P_{7} \quad | P_{$$

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$$\begin{array}{l} P_{3} = (1 - a_{3}, 2) P_{2}^{1} + a_{3}, 2 P_{3}^{1} \\ P_{3} = (7 - 0) P_{2}^{1} + 0 P_{3}^{1} \\ P_{3} = P_{2}^{1} = a_{2} \end{array}$$

$$\begin{array}{l} P_{3} = P_{2}^{1} = a_{2} \\ P_{3} = P_{2}^{1} = a_{2} \\ P_{3} = P_{2}^{1} = a_{2} \\ P_{3} = P_{3}^{1} = a_{3} \\ P_{4} = a_{4} \\ P_{5} = a_{5} \\ P_{7} = a_{7} \\ P_$$

| = x = 1 = \(-cosa)^2 + (1)^2 + (since)^2 = \(\cosa^2 u + 1 + \sin^2 u = \) = Jeose + sin2 u+7 = J7+7 = J2 (+3) = Veosce) 2+(1)2+(-sinie)2 = Veosie+sinie+2= VIII $\mathcal{L} = \sqrt{2}$ = $\sqrt{2}$ = $\sqrt{2$ で= デデー デ(-cosu, O, sinu) (アメデ)² = (= x =) = = (-cose) (-cose) + 1.8 +/sinu/sm = cos²ce + sin²ce = 7 (7×7)2 = cosu t7 + sinu = 2