Konmposiona rosoma & autespe ma rememper emygenna 1 Kypey 9 KHK egryna 1102-14 Rendundano offmena Bapiann 1 1. Merai à \$0, 6 \$0, up buxograns j aguici mora, 4- Kyr wise your becongram 67 Ognarenne. Chauspunu godynnom à il nazubae a more rule (a, b) = 12/1/6/654 Charlesprine graymer moures buparumu reper moragii à i s (a, b) = 12/19/2 B = 16/19/2 Due Sygo-ecoso a: (a, o) =0. Null a \$ 0, 6 \$ 0, 4 = 1/2: 65 4=0 => (a, B) =0, mosare druge a 1 b, no isini wanguni godymon genibarat a Buaimuboumi! 1. (ā, b) = (b, ā) - carymanubriems 1. (a B+E) = (a, B) + (a, c) - augiamubuim 3. ta & K: (a, Lb) = d(a,b) 4. $(\bar{a}, \bar{a}) > 0$; $(\bar{a}, \bar{e}) = 0 \Leftrightarrow \bar{a} = \bar{0}$ Mexañ à i b gagaronne coopqueramance 6 glicia DML a={x1, y1, Z13, b= {xe, g2, 22} lauge i, j, k - ogunum beamous na onea rogramam, mo

a= x, i + y, j+2, k, b= x, i + y, j + 2, k Знайдано памерний добутья (а, в), при увыму вранизацию, up (i,i)=1i1=1; (j,j)=1j1=1; (k,k)=1k1=1; (c; j)=10/1/165 =0; (i, k)=0; (j, 7)=0. Magi (a, b)=(x, i+y, j+z, k, x, i+y, j+ 2k)= = V, 8, + y, y, + Z, 22. Паким чини, щой панира перешности г вектори, задані в вординенняй ферми, треба додати добути відnotiques coppaviam. (ā,ā)=1ā12 => 1ā1=1x2+g2+22 (a, a) = x2+y2+2 PEOXZ, M, (3,2;-5), M, (8;-4;-13) 2 > 0, -4 = 0 > M. iM. - no pissu imponenti he M2 unempurna M2 bignecho 0x2, M2 (8:4:13) UPEDXZ: M, P=M, P 3 marcymance M.P'M; & P & Ox Z / {P}; M2 P < M, M2 + M1 P', M1 P' < M1 M2 + M2 P' M2P-MP - MpM2 M, P'-M2P < M1 M2 M. P'-M, P 1 = M, M2

Duc PE OXZ PZ PXZ 1 Ma M2: IM, P-M, Pl= MM' amue, P= 0x7 1 M, M2 - my rane, M,M; = 15;2;-83 X = -2y= et + 2 y=0 => t=-1 y=0 2=-st-5 P(-2;0;3) $3 - \frac{\chi^2}{18} + \frac{y^2}{8} = 1 \implies a^2 = 18, 6^2 = 8, M_1 \in acine$ 2x-3y+25=0 2x-3y +25=0 => g= 3x + 25 => St Mu gobogum b ognice iz zagar, nperma gomurna go enince you plowini $m^2 = \frac{9}{9} \cdot 18 + 8 \implies m_{1,2} = \frac{1}{2}$ @ y= = x+4 => [2x-3y+12=0] (1) y = \frac{2}{3} \times - y = > \[\frac{1}{2} \times - \frac{3}{3} - \frac{1}{2} = 0 \] = \[\frac{1}{2} \times - \frac{3}{3} \times - \frac{1}{2} \times - \frac{1}{2} \tin - \frac{1}{2} \times - \frac{1}{2} \times - \frac{1}{2} \times surrogano moran gomuny gomernux i enince: DX + 92 = 11.72 4x2+9y2-72=0 4x719(2x+4)-72=0 4x2+4x2+98x+144-78=0 8x + 48x + 72=01:8 X2+8x +9=0 (X+3)20 => X1=-3

9= = x+4= -2+4=2 [91=2] Dryra morres unumpurus - [x=3] [y=-2] Bigionano big yux morox go aprilloi 2x-3g+25=0: 1 = 1-6-6+251 - J13 => My Kandementa morce d2 = 16+6+251 = 37 M1 (-3; 2) | (d= V15) 4. 29x2-24xy+36y2+82x-56y-91=0 8 = 29:36 - 12 > 0 - evinauruno bugy \\\28 \times - 12 \quad + 41 = 0 \land - 3 \rangle + \\\
\-12 \times + 36 \quad \quad - 48 = 0 \\
\end{align*} 75 x 0 + 75=0 => [x 0=-1 SX = x - 1 23 (x-1)-24(x-1)(y+1)+36(y+1)+38(x-1)-16(g+1)-40 29 x - 24 x g + 36 g - 180 - 0 -12 tg 2 d - 7 tg x + 12=0 tg d1 = - ig , tg d2 = 1 - adequero yen sind= 35 cost= 5 SX = 4x'- 54 y'

y = 5 x'+ 5 y'

