23 #5 Bagaria 1 Daku bennouse à u & ; là!=1, 181 = 4 \ (a, B) = 1, Bernelumb 18-28, 20 + 28]/ =12-4(0,8)1+1-4/8/2/ = +4.121.181 sin 2 (0,6) = +4.4.1.1 = 8 Bagara 2 Haunu misugage DABC, eculu A=(0,-4,-3), B(4,-2,-5), C(0,-5,+4), AB = 256 => S=+ ab = + 54.5= 5 = 3,464101 BC = 576 A1 = J2 Basara 3 "Boerecelleme, ecse à (4,2,-2) u B (0,-1,2) [a,4a+8] +[a, 2[a,8]] = =[a, 8] - 2[[a, 8], a] [a, B] = 42-2 = i(2.2-(-2).(-1)) - j (4.2-(-2).0) + +K(4.(-1)-210)= (21-81-4)

-2[[元,6],元] = -2[(2,-8,-4),(4,2,-2)]= =-2 | 2 -8 -4 | = 1 (1-8) . (-2) - (-4) . 2) - ; (2.(-2) - (-4) . 4) + k (2.2-18) 4 = -2 | 2 -8 -4 | = 2 (24', -12', 36') = (-48', 24', -72) [司, 6]+(-2)[[司, 6], 0]=(2 /-8/-4) + (-48:24 /-41) = (2+(-48); (-8)+24; (-4)+(-42))= (-46;16;46) Bagara 4 найни коорданомых векторы Д. сом usseemes, emo on negrezgungungung bekmojour 20,2,3) a 6(2,-2,-2), a won see yokenbarden yelden (R, E) =5, E(-4,2,0) [a, b] = | 0 2 3 = i(2.(-2) - 3.(-2)) - j(0.(-2) - 5.2) + + k. (0.(-1) - 2 · 2) = i(-4+6) - j(0-6) + klo-4= = \$ 2; 8; -48 * - (24; 6x; - 4x) (R, E) = 2x + 6x - 4x = 45 X=-5 x = (-10/4; -30/4; 20/4)

zaspora 6 ушоциовани образуют и векторы 2-(-8)·4 a (-1, 1, 2), B (-1, 1, -5) u c (-1, 4, -3) dazue na sinonceemble been bennopol. -te) d(-1,1,2), b(-1,1,-s) u c(-1,4,-3) 111 (-1d, +4d2-3d3=0 (-d, +4d2-3d3=0) Bagara 5 DABCD ; V= 78; 6 A, -? + A=(2; 1;2); B=(1;-4;6) C(5;-2;3) AB={1;5;-4} 4/= AC=\$-3; 3; -18 [AB, AC] = 1 +5-4 = i(5(-1)-(-4)-3) - ; (1-1)-(-4)-(-3) + +K(4.3-5.(-3))= \$ 7; 13; 18 8 184; 13; 18 51 = 1542 => AA; = 64. 48 ; 18. 48 3 = (4,007; 184,25) 48 1 = 48 1512 1512 1512 A1= & 3; 2,48; 4,59 B