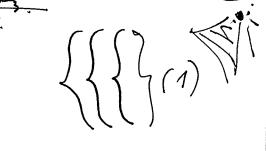
12 02 kg Bonuereaure Leonnoneur

$$A = a^2 + i_3^2 \gamma$$

$$d = i_3 j_3$$



Benjare norga bee d'ent ornismen et 0: bee is, is a k, ormande of O. Bekrop mostro
yourosents the is, i, um k;

$$\angle \vec{k} = \begin{pmatrix} 1_3 \\ j_3 j_3 \\ k_3 j_2 \end{pmatrix}$$

$$\lambda_{j} \vec{k} = \begin{pmatrix} \dot{1}_{3} \dot{j}_{3} \\ \dot{j}_{3} \\ \dot{k}_{2} \dot{j}_{3} \end{pmatrix}$$

$$d_{k} \neq \frac{1}{k_{2}} = \begin{pmatrix} i_{3} k_{3} \\ j_{1} k_{3} \\ k_{2} \end{pmatrix}$$

Kbajpar barpasseru y (1), acronstible - y (2):

$$\angle k \vec{E} = \left(\frac{f}{J}, \frac{e}{J}, \frac{C-a^2}{J}\right)$$

baracreena, T.K. VLO In borfassery beerga Kommercest mores toto t Tax kan respuntationa , montre sofrato.

$$C_{2}\vec{k} = \begin{pmatrix} A & \vec{a} & , & d & , & f \end{pmatrix}$$

$$C_{2}\vec{k} = \begin{pmatrix} A & \vec{a} & , & d & , & f \end{pmatrix}$$

$$C_{3}\vec{k} = \begin{pmatrix} d & B - a^{2} & , & e \end{pmatrix}$$

$$C_{4}\vec{k} = \begin{pmatrix} f & e & , & e & , & e \\ f & e & , & e & , & e \\ \end{pmatrix}$$

$$C_{5}\vec{k} = \begin{pmatrix} f & e & , & e & , & e \\ \end{pmatrix}$$

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un mostro nonojetates, ecan  $i_3 \neq 0$ . By nombrow cry rare nony zun: (2-e. 5ns  $i_3 = 0$ ):

c, k' = (0, 0, 0).

Em bodyas & kpnoepus bookpa (1), (2) um (3): no marecunalisary C.

$$k_1 = (A - a^2, a, f)$$
 $k_2 = (d, B - a^2, e)$ 
 $k_3 = (f, e, C - a^2)$ 

Torono ggels nova regletho à!

det=i?j?k283 = (4aa')(B-a2)(C-a2).

$$Ae = j^2 + i_2 k = \frac{B-a^2}{2} \cdot j^2 + \frac{f}{f} = (B-a^2)f$$

$$de = (B-a^2)f$$

$$df = (A-a^2)e$$

$$ef = (C-a^2)d$$

- Dus onfegereurs a. Econobaria Mostro ucronsjobats ecm I nomasoe f, e una d. Econ ha suprebore, TO a enfercisers no wax. y A DMC. a= max (A, B, C).

( (3)

$$a^2 = max (A,B,C)$$
.

$$\gamma = \min(A,B,C) - a^{2}.$$

$$i = B2$$
:  $a^2 = B + \frac{de}{f}$ 

$$i=1:$$
  $a^2=A-\frac{df}{e}$ .

$$i=0$$
:  $a^2=C-et$ 

$$a^2 = (C, A, B)[i] - \frac{(d, e, f)[f + max(def)]prod}{man (def)}$$

Unrepecte negerabure ou beganciens que a 6 (2.4):

$$\vec{k}_1 = \begin{pmatrix} df \\ e \end{pmatrix}, d, f \end{pmatrix}.$$

$$\vec{k}_2 = \begin{pmatrix} d, de \\ f \end{pmatrix}, e \end{pmatrix} \qquad \text{or baylaxeful} \quad \vec{f} \quad \text{ucrosofibals ear.} \quad \vec{f} \quad \text{ucrosofibals}$$

$$\vec{k}_3 = \begin{pmatrix} f, e, ef \\ d \end{pmatrix}.$$

$$A = a^{2} \left( i_{1}^{2} + i_{2}^{2} \right) + Ci_{3}^{2} = a^{2} \left( 1 - i_{3}^{2} \right) + Ci_{3}^{2}.$$

$$A = a^{2} + i_{3}^{2} \left( c - a^{2} \right).$$

$$B = a^{2} + i_{3}^{2} \left( c - a^{2} \right).$$

$$C = a^{2} + k_{3}^{2} \left( c - a^{2} \right).$$

$$C = a^{2} + k_{3}^{2} \left( c - a^{2} \right).$$

$$\frac{1}{2}D = a^{2}\left(i_{1}\dot{o}_{1} + i_{2}\dot{o}_{2}\right) + Ci_{3}\dot{o}_{3} = a^{2}\left(-i_{3}\dot{o}_{3}\right) + Ci_{3}\dot{o}_{3}.$$

$$= i_{3}\dot{o}_{3}\left(c - a^{2}\right).$$

$$\frac{1}{2}E = o_{3}k_{3}\left(c - a^{2}\right).$$

$$\frac{1}{2}F = i_{3}k_{3}\left(c - a^{2}\right).$$
(2)

Trabuene, b norspare broger B, HnJ: Xon y, zabneno et nobojota "npocrosi" Ck boxpyr el een k. B Das cangras a'=b') duypa cumet protora osot. obseis ocu). Tostomy nobejmen i tak, zoobh i cmorfera b cropony obyen C.K. B stom cayrae y = 0.

$$a^{2}i_{1} \times_{o} + Ci_{3} + Ci_{3} = \frac{6}{2}$$

$$a^{2}i_{1} \times_{o} + Ci_{3} + Ci_{3} = \frac{4}{2}$$

$$a^{2}i_{1} \times_{o} + Ci_{3} = \frac{1}{2}$$

$$a^{2}k_{1} \times_{o} + Ck_{3} = \frac{1}{2}$$
(3)

3gecs  $i_1 = (i',i)$ ,  $j_1 = (j',i)$  in  $k_1 = (k',i)$  - we object to be be with the same of the second with the same of the second bugs:  $i' a' x_0 + k' ct_0 = \frac{1}{2} \begin{pmatrix} a \\ b \\ J \end{pmatrix}$ 

Mocrepuse grownerme, l'uoropoe brogno k,

 $K = X_0^2 a^2 + Z_0^2 c - d.$  (4).

Du yunungu, d- 200 ecos delagrat parnyca. Du nemeca d=0, u 200 yp-ne orhesenses cocordioneme nearly x. nto.

Odgas exerci:

 $U_1$  (1.1)  $_{-}$  (1.2) mossion onferense  $a^2$  u.C.  $\pi_0$  mun-see, our forense a womassense b-fa k,  $i_3$ ,  $i_3$  u.k.

Em c/a - ngro, to nonaraen, the koop-ton AB, ... K nfejevalors not generally, b notifier c=0. Des generalles to -nforforero, the one he bround and gono y-mue.

Rentop i ompgessers of (1.3): Dis npoyleonoro X.:

$$\vec{i} = \begin{pmatrix} \frac{6}{2x_0a^2} \\ \frac{4}{2x_0a^2} \\ \frac{7}{2x_0a^2} \end{pmatrix}$$

n  $x_0$  bounhaires var, work  $\left| \overline{i} \right| = 1$ !  $\frac{6^2 + H^2 + J^2}{40^4} = \chi_0^2.$ 

Mocreguer enfegersires pagnye y (2.4):

Econ c/a² rue mano, cravaen ero rafamelja A,B,... K 3)
onfegers rot koryc.

Uz (1.3), yundsæmmon na k enpelensem to:
$$(\bar{i},\bar{k}) \hat{a}^2 x_0 + (\bar{k},\bar{k}) \hat{c}^2 t_0 = \frac{1}{2} (\theta i_3 + H j_3 + J k_3).$$

$$\overline{z}_{o} = \frac{6i_{3} + Hj_{3} + Jk_{3}}{2C}$$

My (2.4) onfesers Xo:

$$K = a^{2}X_{0}^{2} + 2b^{2}C$$

$$X_{0}^{2} = \frac{K - 2b^{2}C}{a^{2}}$$

U bewop i raxquires negerateleoù xo u k b (1.3):

$$\vec{i} = \begin{pmatrix} 6 \\ H \\ J \end{pmatrix} \frac{1}{2x_0 a^2} - \vec{k} \frac{c z_0}{a^2 x_0}$$