1. Beknophoe upocmpaticubo à Curreanne upourbegenne. Oup. Beknoptebur up-eur à 4 B manon Bernas E, rus: 1. |c| = (a|·181·sin9 2. TTA, C1B 3. a, b, c - odpazytour upabyto impourey [a, b] - - [a, b] 1. [a,+a,B]=[a,B]+[a2,B] 2. $[\lambda \bar{\alpha}, \beta] = \lambda [\bar{\alpha}, \bar{\beta}]$ 3. [ā, b] = -[b,a] [a, B]=0 = a 11 B e, - dazuc 6 t - gerapus sajue = upaboui opust.

5007cm.

$$\bar{a} = a^{i}\bar{e}_{i} + a^{2}\bar{e}_{z} + a^{3}\bar{e}_{z} = \sum_{i=1}^{3}a^{i}\bar{e}_{i}$$

$$\bar{b} = b^{i}\bar{e}_{i} + b^{2}\bar{e}_{z} + b^{3}\bar{e}_{z} = \sum_{i=1}^{3}b^{i}\bar{e}_{i}$$

$$[\bar{a},\bar{b}] = \left[\sum_{i=1}^{3}a^{i}\bar{e}_{i},\sum_{j=1}^{3}b^{j}\bar{e}_{j}\right] = \sum_{i=1}^{3}\sum_{j=1}^{3}a^{i}b^{j}\left[\bar{e}_{i},\bar{e}_{z}\right]$$

$$(a^{i}b^{2} - a^{2}b^{i})\left[\bar{e}_{i},\bar{e}_{z}\right] + (a^{i}b^{2} - a^{2}b^{2})\left[\bar{e}_{1},\bar{e}_{2}\right] + (a^{2}b^{2} - a^{2}b^{2})\left[\bar{e}_{2},\bar{e}_{3}\right]$$

$$(a^{i}b^{2} - a^{2}b^{i})\left[\bar{e}_{1},\bar{e}_{2}\right] + (a^{2}b^{2} - a^{2}b^{2})\left[\bar{e}_{2},\bar{e}_{3}\right]$$

$$(a^{i}b^{2} - a^{2}b^{i})\left[\bar{e}_{1},\bar{e}_{2}\right] + (a^{2}b^{2} - a^{2}b^{2})\left[\bar{e}_{2},\bar{e}_{3}\right]$$

$$(a^{2}b^{2} - a^{2}b^{i})\left[\bar{e}_{1},\bar{e}_{2}\right]$$

$$(a^{2}b^{2} - a^{2}b^{i})\left[\bar{e}_{1},\bar{e}_{2}\right]$$

$$+ (a^{2}b^{2} - a^{2}b^{2})\left[\bar{e}_{2},\bar{e}_{3}\right]$$

$$[\bar{e}_{1},\bar{e}_{2}] = a_{1}$$

$$a_{2}$$

$$a_{3}$$

$$b_{4}$$

$$b_{4}$$

$$b_{5}$$

$$b_{4}$$

$$b_{5}$$

$$b_{6}$$

$$b_{7}$$

$$b_{6}$$

$$b_{7}$$

$$b_{6}$$

$$b_{7}$$

$$b_{6}$$

$$b_{7}$$

$$\begin{bmatrix} \overline{i}, \overline{k} \end{bmatrix} \begin{bmatrix} \overline{i}, \overline{i} \end{bmatrix} \begin{bmatrix} \overline{$$

