Excen - E ASCII FBe DIC II Z xik Fraluate $(6+c)^2$ c^2 6^2 c^2 $(c+a)^2$ a^2 a^2 a^2 a^2 a^2 a^2 a^2 $\frac{1}{a^{2}b^{2}c^{2}} = \frac{(ab+ae)^{2}}{c^{2}a^{2}} = \frac{c^{2}b^{2}}{(be+ba)^{2}} = \frac{b^{2}c^{2}}{a^{2}c^{2}}$ $\frac{b^{2}a^{2}}{b^{2}a^{2}} = \frac{a^{2}b^{2}}{a^{2}b^{2}} = \frac{a^{2}c^{2}}{(ac+bc)^{2}}$ $\frac{1}{a^{2}b^{2}e^{2}} = \frac{(ab+ac)^{2}-b^{2}e^{2}}{(bc+ba)^{2}-a^{2}e^{2}} = \frac{b^{2}e^{2}}{a^{2}e^{2}} = \frac{b^{2}e^{2}}{(ac+bc)^{2}} = \frac{a^{2}e^{2}}{(ac+bc)^{2}} = \frac{a^{2}e^{2}}{(ac+bc)^{2}}$ a2 62 (a6+6e+c) (a6+ae-6e) 0 (bc+batter) (be+la-as)

(batac+60) (ja-ac-60) (abtat60) (ab-ac-60)

(a46)2

$$= \frac{1}{a^{2} + 2} (ab+bc+ca)^{2} \begin{vmatrix} ab+ac-bc & 0 & bc+ba-ac & 02 \\ ba-ac-bc & ab-ac-bc & (a+g)^{2} \end{vmatrix}$$

$$= \frac{2(ab+bc+ca)^{2}}{a^{2} + 2} \begin{vmatrix} ab+ac-bc & 0 & b2 \\ 0 & bc+ab-ac & 02 \\ -2ab & -bc & 2ab \end{vmatrix}$$

$$= \frac{2(ab+bc+ca)^{2}}{a^{2} + 2} \begin{vmatrix} ab+ac-bc & 0 & b2 \\ -2ab & -bc & 2ab \end{vmatrix}$$

$$= \frac{2(ab+bc+ca)^{2}}{a^{2} + 2} \begin{vmatrix} ab+ac-bc & 0 & bc+ab-ac & 02 \\ -ab & -bc & ab \end{vmatrix}$$

$$= \frac{2(ab+bc+ca)^{2}}{a^{2} + 2} \begin{vmatrix} ab+ac-bc & 0 & cb2 \\ ba+ac & bc & ab \end{vmatrix}$$

$$= \frac{2(ab+bc+ca)^{2}}{a^{2} + 2} \begin{vmatrix} ab+ac & bc & c & c \\ ab+ac & ab & bc+ac & ab \end{vmatrix}$$

$$= \frac{2(ab+bc+ca)^{2}}{a^{2} + 2} \begin{vmatrix} ab+ac & bc & ab & cb \\ ab+ac & ab & ab & ab \\ ab+ac & ab \\$$

$$(S-b)^{2} \qquad (S-b)^{2} \qquad (S-b)^{2} \qquad (S-c)^{2} \qquad (S-$$

gt we put
$$S=0$$
, $\Delta=0$

$$\begin{vmatrix} a^2 & a^2 & a^2 \\ b^2 & b^2 & b^2 \\ c^2 & c^2 & c^2 \end{vmatrix}$$
tenctor.

9t we put
$$S=\alpha$$
.

 $a+6+c=2\alpha$

$$a+b+c=2a$$

$$b+c=a$$

$$a-b=c$$

$$a-c=b$$

$$a-c=b$$

$$a+c=a$$

$$b^2 c^2 c^2 = 0$$

If we put
$$S = 6$$
.

 $A = \begin{bmatrix} a^2 & (b-a)^2 & (b-a)^2 \\ 0 & b^2 & 0 \\ 0 & 6^2 & 0 \end{bmatrix} = 0$
 $(b-c)^2 & (b-c)^2 & c^2 & 0$

$$\Delta = \left\{ \begin{array}{cccc} 4 & 0 / 4 & 8 / 4 \\ / 4 & 1 & / 4 \\ 0 / 4 & 0 / 4 \end{array} \right.$$

$$= \begin{vmatrix} 4 & 1/4 & 1/4 \\ -\frac{15}{4} & \frac{3}{4} & 0 & R_2' \rightarrow R_2 - R_1 \\ 9/4 & 9/4 & 0 & \end{vmatrix}$$

$$= \frac{3}{16} \left(-\frac{13}{4} \right)$$

$$k S^{3}(s-9)(s-6)(s-6)$$
= $u\left(\frac{27}{8} \times (-\frac{1}{2})(\frac{1}{2})(\frac{3}{2})\right)$
= $u\left(\frac{27\times 3}{69}\right)$

$$u\left(\frac{27\times3}{C4}\right) = \frac{-162}{64}$$

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when,
$$i = j$$
 $a_{ii} = -a_{ii} = 0$.

Determinant multiplication

$$\begin{bmatrix} a_1 & b_1 & c_1 \\ a_2 & b_2 & c_2 \\ a_3 & b_3 & c_3 \end{bmatrix} \times \begin{bmatrix} l_1 & m_1 & n_1 \\ l_2 & m_2 & n_2 \\ l_3 & m_3 & m_3 \end{bmatrix}$$