

$$a_{11} \left(a_{21}a_{31} + a_{22}a_{31} + a_{21}a_{33} \right) = 0, \; a_{22} \left(a_{11}a_{32} + a_{12}a_{32} + a_{12}a_{33} \right) = 0, \; a_{33} \left(a_{13}a_{22} + a_{11}a_{23} + a_{13}a_{23} \right) = 0, \; a_{11}a_{22}a_{33} + a_{11}a_{23}a_{32} + a_{12}a_{21}a_{33} + a_{12}a_{23}a_{31} + a_{13}a_{21}a_{32} + a_{13}a_{23}a_{31} = 0$$