Calculating determinants

To calculate the determinant of a given matrix it is necessary to keep the pivot elements and multiply them. Consequently using Gauss's method we can find the determinant of a given matrix with precision to a digit.

For example 1 in method of Gauss's elimination: $\det A =$

$$4. \ \frac{13}{2} \cdot \left(-\frac{5}{2}\right) \cdot \left(-\frac{38}{65}\right) = 38.$$