Algorithm and Flowchart for finding the determinant of a matrix

Algorithm

1. Start

2. Enter mattype, 1 for 2\*2, 2 for 3\*3

3. Is mattype 1

4. If yes Enter a,b,c,d

Det = ((a.d)-(b.c))

5. If no Enter a,b,c,d,e,f,g,h,i

Det = (a((e.i)-(h.f))-b((d.i)-(g.f))+c((d.h)-(g.e))

6. Display Det

7. Stop

Flowchart

Is mattype = 1

Enter mattype

Start

Yes No

Stop

Det = (a((e.i)-(h.f))-b((d.i)-(g.f))+c((d.h)-(g.e))

Det = ((a.d)-(b.c))

Enter a,b,c,d,e,f,g,h,i

Enter a,b,c,d