Finding the value of x,y,z

Algorithm

1. Start

2. Enter the mattype

3. Is mattype =1

4. If yes, enter a,b,c,d,m,n

5. DetA= (a.d-b.c),

Display DetA

6. DetA|x= (m.d-b.n)

Display DetA|x

7. DetA|y=(a.n-n.c)

Display DetA|y

8. x=DetA|x/DetA

Display x

9. y=DetA|y/DetA

Display y

10. If no, enter a,b,c,d,e,f,g,h,i,m,n,o

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

Display DetA

12. DetA|x= (m((e.i)-(h.f))-b((n.i)-(o.f))+c((n.h)-(o.e))

Display DetA|x

13. DetA|y= (a((n.i)-(h.f))-m((d.i)-(g.f))+c((d.o)-(g.n))

Display DetA|y

14. DetA|z= (a((e.o)-(h.n))-b((d.o)-(g.n))+m((d.h)-(g.e))

Display DetA|z

15. x=DetA|x/DetA

Display x

16. y=DetA|y/DetA

Display y

17. z=DetA|z/DetA

Display z

18. Stop

Flowchart

Start

DetA|x= (m((e.i)-(h.f))-b((n.i)-(o.f))+c((n.h)-(o.e))

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

Display DetA

Display DetA

DetA= (a.d-b.c)

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

Enter a,b,c,d m,n

Is mattype =1

Enter mattype

Yes No

DetA|x= (m.d=b.n)

Display DetA|x

Display DetA|x

A

DetA|y=(a.n-n.c)

DetA|y= (a((n.i)-(h.f))-m((d.i)-(g.f))+c((d.o)-(g.n))

A

Display DetA|y

Display DetA|y

Display x

x=DetA|x/DetA

x=DetA|x/DetA

Display x

DetA|z= (a((e.o)-(h.n))-b((d.o)-(g.n))+m((d.h)-(g.e))

Display DetA|z

y=DetA|y/DetA

Display y

y=DetA|y/DetA

Display y

z=DetA|z/DetA

Display z