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1480 A=ABS(((X2*Y3)+(X1*Y2)+(X3*Y1)-(X2*Y1)-(X3*Y2)-(X1*Y3)))/2
710 !"Es la Transmisibilidad constante para todo el sistema? ",\R$=INCHAR$(0)\!
720 IF R$="S" THEN 730 ELSE 770
730 !\!"DAME LAS TRANSMISIBILIDADES <Tx,Ty> < ",\INPUT1",E(4)\! ", ",\INPUT1",E(5)\! ">\!
740 FOR I=1 TO N2
750 WRITE#0ZI*40+15,E(4),E(5),NOENDMARK
760 NEXT I\ GOTO 810
770 !\!"ENTRAN ELEMENTO Y TRANSMISIBILIDADES <Tx,Ty> "\!"ELEM <Tx,Ty>\!"\FOR I=1 TO N2
780 INPUT1",E!\TAB(8),\INPUT1",E(4)\! ", ",\INPUT1",E(5)\! ">\!
790 WRITE#0ZE*40+15,E(4),E(5),NOENDMARK
800 NEXT I
810 !\!"Es constante el Coeficiente de Almacenamiento? ",\R$=INCHAR$(0)\!
820 IF R$="S" THEN 830 ELSE 870
830 !\INPUT"DAME EL COEFICIENTE DE ALMACENAMIENTO <S> ",E(6)\!
840 FOR I=1 TO N2
850 WRITE#0ZI*40+25,E(6),NOENDMARK
860 NEXT I\ GOTO 910
870 !\!"ENTRAN ELEMENTO Y COEFICIENTE DE ALMACENAMIENTO"\!"ELEM COEF"\!"\FOR I=1 TO N2
880 INPUT1",E!\TAB(8),\INPUT",E(6)
890 WRITE#0ZI*40+25,E(6),NOENDMARK
900 NEXT I
910 !\!"Es constante la recarga? ",\R$=INCHAR$(0)\!
920 IF R$="S" THEN 930 ELSE 970
930 !\INPUT"DAME LA RECARGA ",E(7)\!
940 FOR I=1 TO N2
950 WRITE#0ZI*40+30,E(7),NOENDMARK
960 NEXT I\ GOTO 1010
970 !\!"ENTRAN ELEMENTO Y RECARGA"\!"ELEM RECARGA"\!"\FOR I=1 TO N2
980 INPUT1",E!\TAB(7),\INPUT",E(7)
990 WRITE#0ZE*40+30,E(7),NOENDMARK
1000 NEXT I
1010 !
1020 !\!"ENTRAN ELEMENTO Y ESPESOR SATURADO"\!"ELEM ESPESOR"\!
1030 GOTO 1080
1040 FOR I=1 TO N2
1050 INPUT1",E!\TAB(9),\INPUT",E(9)
1060 WRITE#0ZE*40+35,E(9),NOENDMARK
1070 NEXT I
1080 !\!"ESTADO INICIAL DEL SISTEMA"\!"NODO CARGA INICIAL"\!
1090 FOR I=1 TO N1:\INPUT1",N!\TAB(10),\INPUT",U(N)\WRITE#2ZN*(5*(N1+N3)+5)+(5*(N1+N3)),U(N),NOENDMARK\NEXT I
1100 !\!
1110 !#Q:\#Q
1120 !#Q" ELEM",TAB(09),"I",TAB(14),"J",TAB(19),"K",TAB(27),"Tx",TAB(37),"Ty",TAB(47),"S",TAB(57),"N",TAB(67),"B"\!#Q
1130 FOR I=1 TO N2
1140 READ#0ZI*40,E(1),E(2),E(3),E(4),E(5),E(6),E(7),E(8)
1150 !#QZ5I,I,E(1),E(2),E(3),X10F4,E(4),E(5),E(6),E(7),E(8)
1160 NEXT I
1170 !#Q!\#Q!\#Q
1180 !#Q"NODO LE RODEAN LOS ELEMENTOS:",TAB(51),"X",TAB(61),"Y",TAB(71),"W"\!#Q
1190 FOR I=1 TO N1+N3
1200 READ#1ZI*65,N(1),N(2),N(3),N(4),N(5),N(6),N(7),N(8),N(9),N(10),N(11),N(12),N(13)
1210 !#QZ4I,I,N(1),N(2),N(3),N(4),N(5),N(6),N(7),N(8),N(9),N(10),X10F2,N(11),N(12),N(13)
1220 NEXT I
1230 !\!"ENTRAN NODO Y GASTO DE ENTRADA O SALIDA <+ o -> PROMEDIO EN Dt "\!"NODO GASTO"\!
1240 FOR I=1 TO N1
1250 INPUT1",N!\TAB(8),\INPUT",W
1260 WRITE#1ZN*65+60,W,NOENDMARK\NEXT I
1270 R1=5*(N1+N3+1)
1280 FOR I=1 TO N1+N3\READ#2ZI*R1+(5*(N1+N3)),U(I)\NEXT I
1290 FOR I=1 TO N1\FOR J=1 TO N1+N3+1\WRITE#2ZI*(5*(N1+N3)+5)+5*(J-1),0,NOENDMARK\NEXT J\!NEXT I
1300!#Q"PARA TIEMPO = ",T8+D," SEGUNDOS"\!#Q!\#Q!\#Q
1310 FOR L=1 TO N1
1320 S2=0\S3=0
1330 READ#1ZL*65+60,W
1340 READ#1ZL*65,N(1),N(2),N(3),N(4),N(5),N(6),N(7),N(8),N(9),N(10)
1350 FOR V=1 TO 10
1360 IF N(V)=0 THEN EXIT 1670
1370 READ#0Z(V)*40,F1,F2,F3,T1,T2,S,N,B
1380 IF L=F1 THEN 1390 ELSE 1410
1390 I=F1\J=F2\K=F3
1400 GOTO 1450

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1410 IF L=F2 THEN 1420 ELSE 1440
1420 I=F2\J=F3\K=F1
1430 GOTO 1450
1440 I=F3\J=F1\K=F2
1450 READ#17I*65+50,X1,Y1
1460 READ#17J*65+50,X2,Y2
1470 READ#17K*65+50,X3,Y3
1480 A=ABS(((X2*Y3)+(X1*Y2)+(X3*Y1)-(X2*Y1)-(X3*Y2)-(X1*Y3)))/2
1490 L1=(Y2-Y3)*(Y2-Y3)/(4*A)
1500 L2=(Y3-Y1)*(Y2-Y3)/(4*A)
1510 L3=(Y1-Y2)*(Y2-Y3)/(4*A)
1520 M1=(X3-X2)*(X3-X2)/(4*A)
1530 M2=(X1-X3)*(X3-X2)/(4*A)
1540 M3=(X2-X1)*(X3-X2)/(4*A)
1550 L4=(L1*T1+M1*T2)/2+(A*S)/(6*D)
1560 L5=(L2*T1+M2*T2)/2+(A*S)/(12*D)
1570 L6=(L3*T1+M3*T2)/2+(A*S)/(12*D)
1580 S2=S2+A*N/3
1590 S3=S3-((L1*T1+M1*T2)/2-(A*S)/(6*D))*U(I)-((L2*T1+M2*T2)/2-(A*S)/(12*D))*U(J)-((L3*T1+M3*T2)/2-(A*S)/(12*D))*U(K)
1600 READ#2ZL*R1+(5*(I-1)),B1
1610 WRITE#2ZL*R1+(5*(I-1)),B1+L4,NOENDMARK
1620 READ#2ZL*R1+(5*(J-1)),B2
1630 WRITE#2ZL*R1+(5*(J-1)),B2+L5,NOENDMARK
1640 READ#2ZL*R1+(5*(K-1)),B3
1650 WRITE#2ZL*R1+(5*(K-1)),B3+L6,NOENDMARK
1660 NEXT V
1670 S2=S2+W
1680 WRITE#2ZL*R1+(5*(N1+N3)),S2+S3,NOENDMARK
1690 NEXT L
1700 FOR I=1 TO N1
1710 FOR J=N1+1 TO N1+N3
1720 READ#2ZI*R1+5*(J-1),A1
1730 WRITE#2ZI*R1+5*(J-1),0,NOENDMARK
1740 READ#2ZI*R1+5*(N1+N3),B1
1750 WRITE#2ZI*R1+5*(N1+N3),B1-A1*U(J),NOENDMARK
1760 NEXT J
1770 NEXT I
1780 IF J4=0 THEN 1790 ELSE 1810
1790 !#Q\!#Q\MATRIZ A RESOLVER!\!#Q
1800 FOR I=1 TO N1+N3\FOR J=1 TO N1+N3+1\READ #2ZI*(5*(N1+N3)+5)*5*(J-1),A!\#QTAB(10*(J-1)),X09E2,A,\NEXTJ!\#Q\NEXT I
1810 R1=5*(N1+N3+1)
1820 FOR I=1 TO N1
1830 READ#2ZI*R1+5*(I-1),P
1840 FOR J=1 TO N1+N3+1
1850 READ#2ZI*R1+5*(J-1),A
1860 WRITE#2ZI*R1+5*(J-1),A/P,NOENDMARK
1870 NEXT J
1880 FOR K=1 TO N1
1890 IF K=I THEN 1970
1900 READ#2ZK*R1+5*(I-1),C
1910 FOR J=1 TO N1+N3+1
1920 READ#2ZK*R1+5*(J-1),B
1930 READ#2ZI*R1+5*(J-1),A
1940 D2=B-C*A
1950 WRITE#2ZK*R1+5*(J-1),D2,NOENDMARK
1960 NEXT J
1970 NEXT K
1980 NEXT I
1990 !#Q\!#Q\!#Q
2000 IF J4=0 THEN 2010 ELSE 2030
2010 !#Q\MATRIZ SOLUCION!\!#Q
2020 FOR I=1 TO N1+N3\FOR J=1 TO N1+N3+1\READ #2ZI*(5*(N1+N3)+5)*5*(J-1),A!\#QTAB(10*(J-1)),X09E2,A,\NEXTJ!\#Q\NEXT I
2030 !#Q\!#Q\!#Q\VECTOR DE RESULTADOS!\!#Q\nODO CARGA (M)\!#Q
2040 FOR I=1 TO N1+N3\READ#2ZI*R1+5*(N1+N3),A!\#Q,I,TAB(5),X10F2,A\NEXT I
2050 J4=1
2060 T8=T8+D1
2070 !#QCHR*(12)\GOTO 1230

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