

A N E X A T E Z E I

- A. - Sînt centralizate figurile din tabelul 3.3. reprezentînd diagramele de eforturi determinate de programul ISOPARDI pentru ambele feluri de solicitări (forța concentrată și forța uniform distribuită).

Fig. 3.14.

BIBLIOTECA CENTRALĂ  
UNIVERSITATEA "POLITEHNICA"  
TIMIȘOARA

*anexa*

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BIB	
Cl.	556 393
Volumele Nr.	
Duplă 258	Lr. F

6x 10 da. N/cm<sup>2</sup> ≅ 5cm

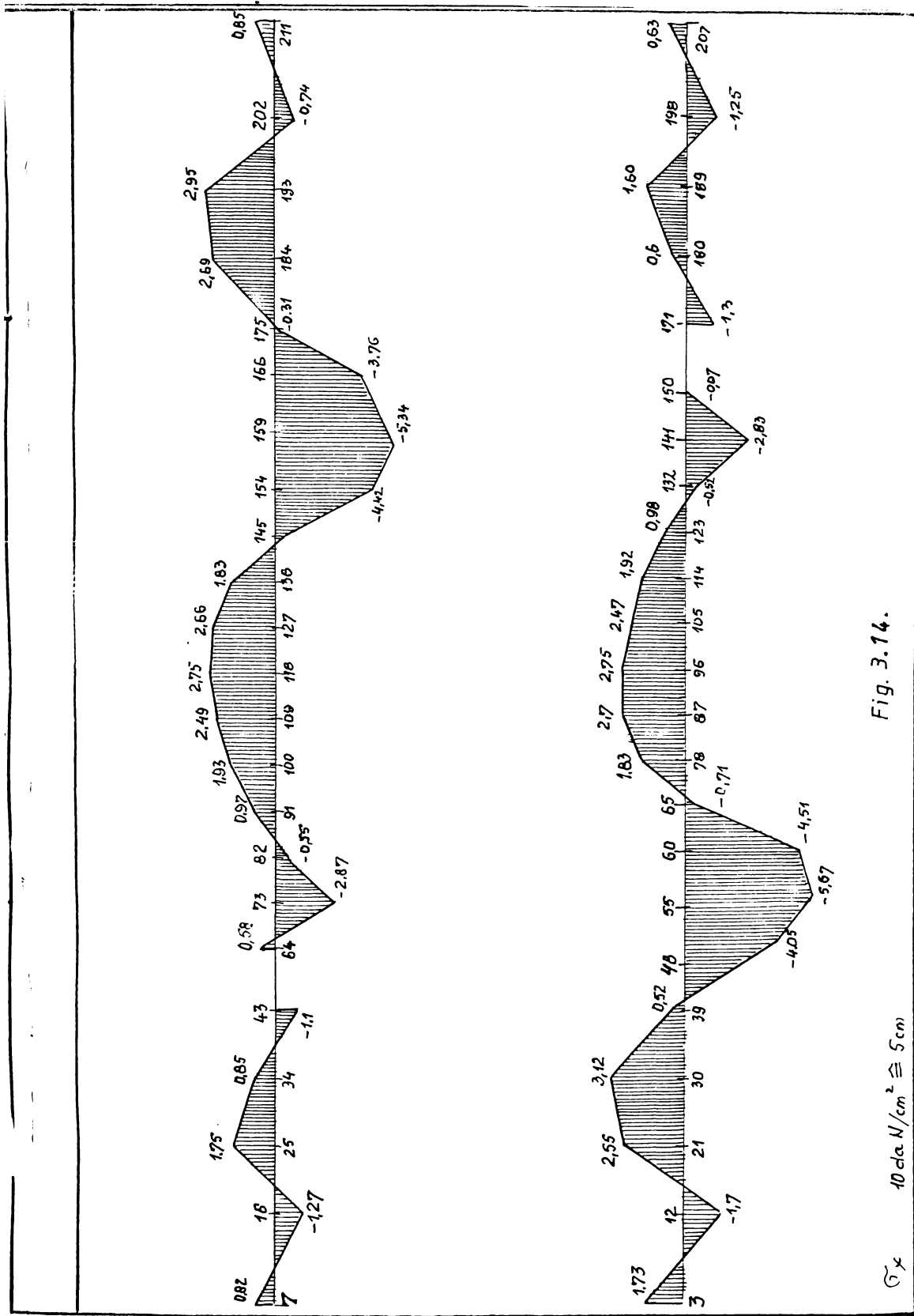


Fig. 3.14.

$10 \text{ da N/cm}^2 \cong 5 \text{ cm}$

$\sigma_x$

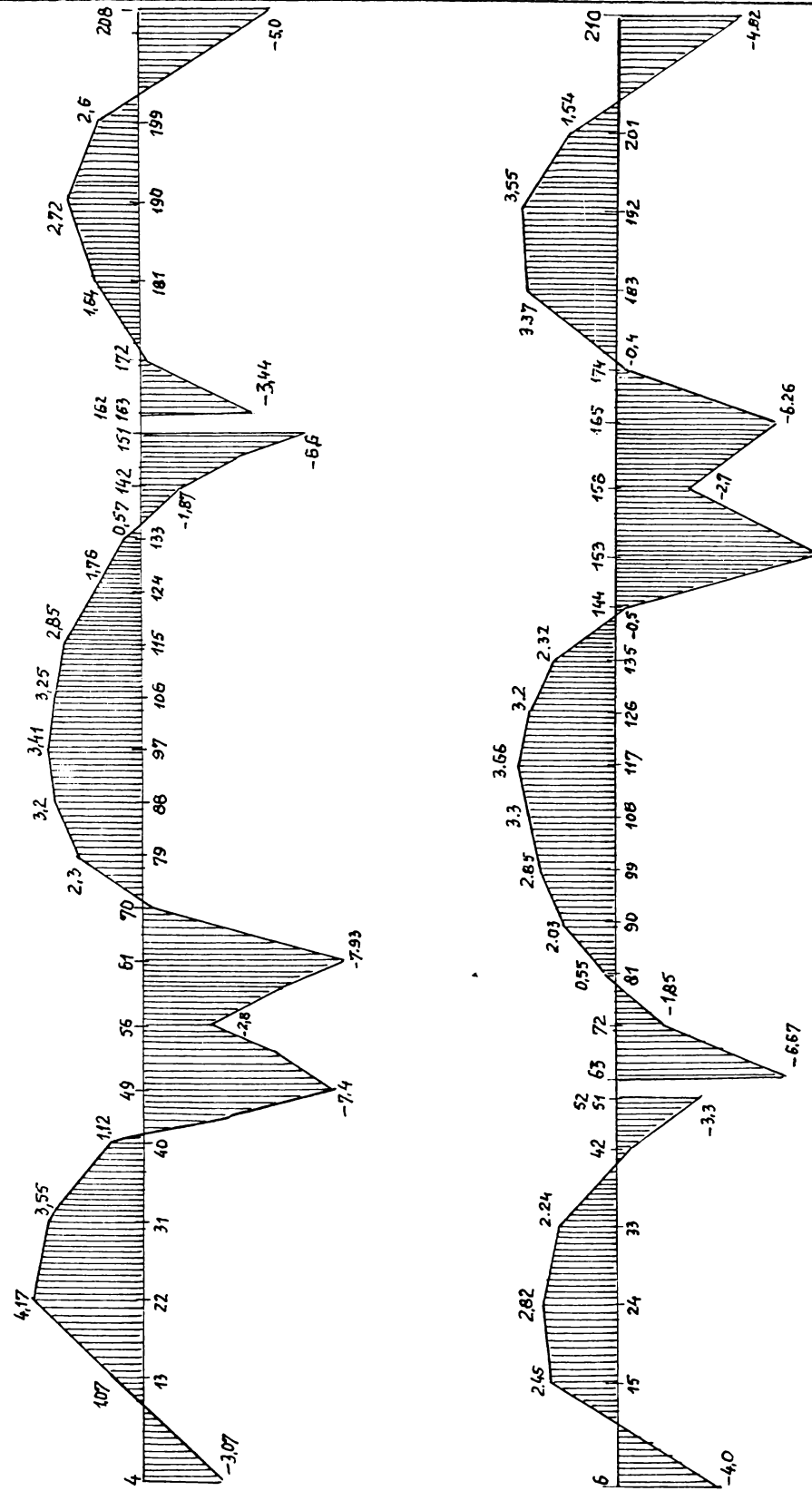


Fig. 3.15.

$\sigma_x$   $10 da N/cm^2 \cong 5 cm$

тс.

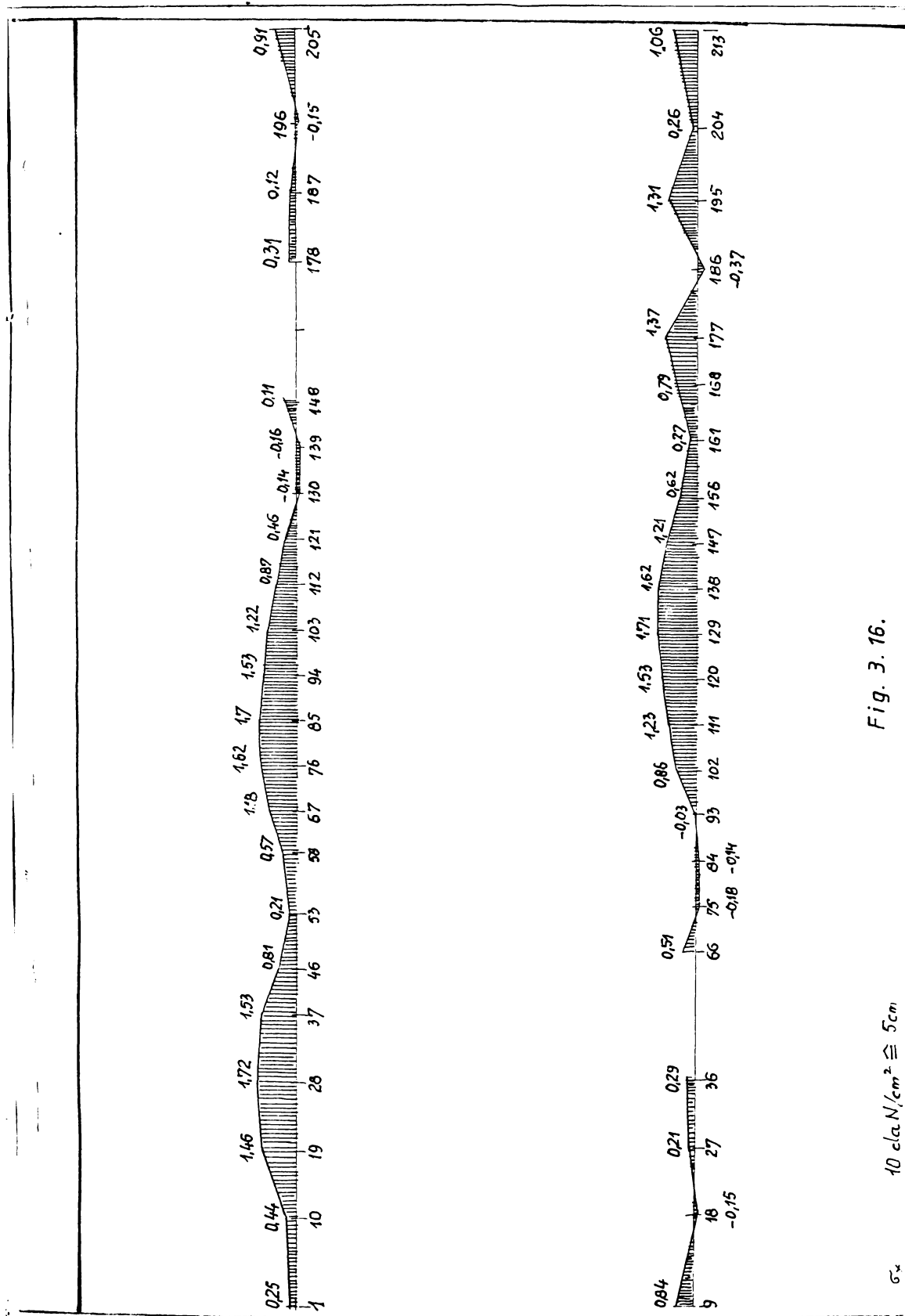


Fig. 3. 16.



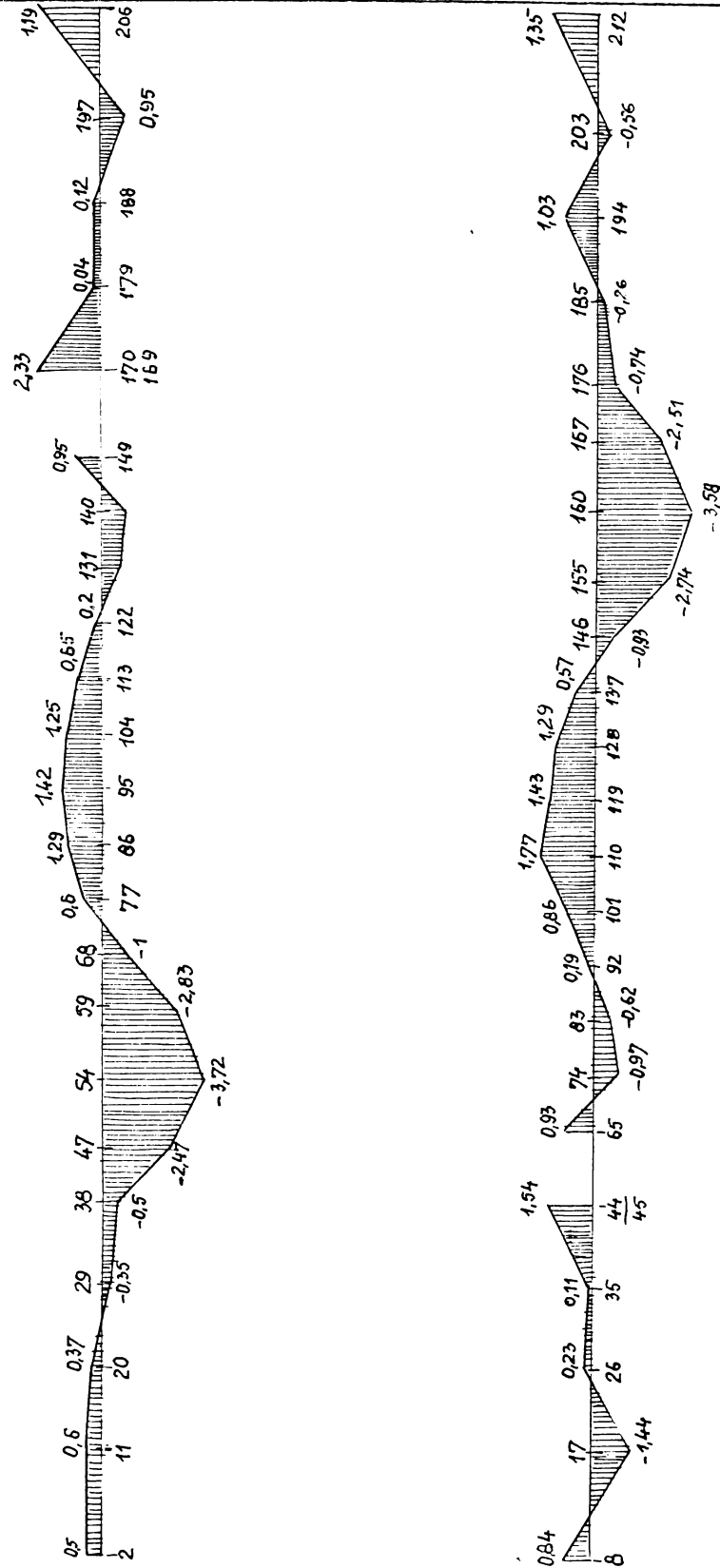


Fig. 3. 17.

$10 \sigma_{\text{ср}} N / \text{cm}^2 \approx 5 \text{ cm}$

$\sigma_{\text{ср}}$

Er.

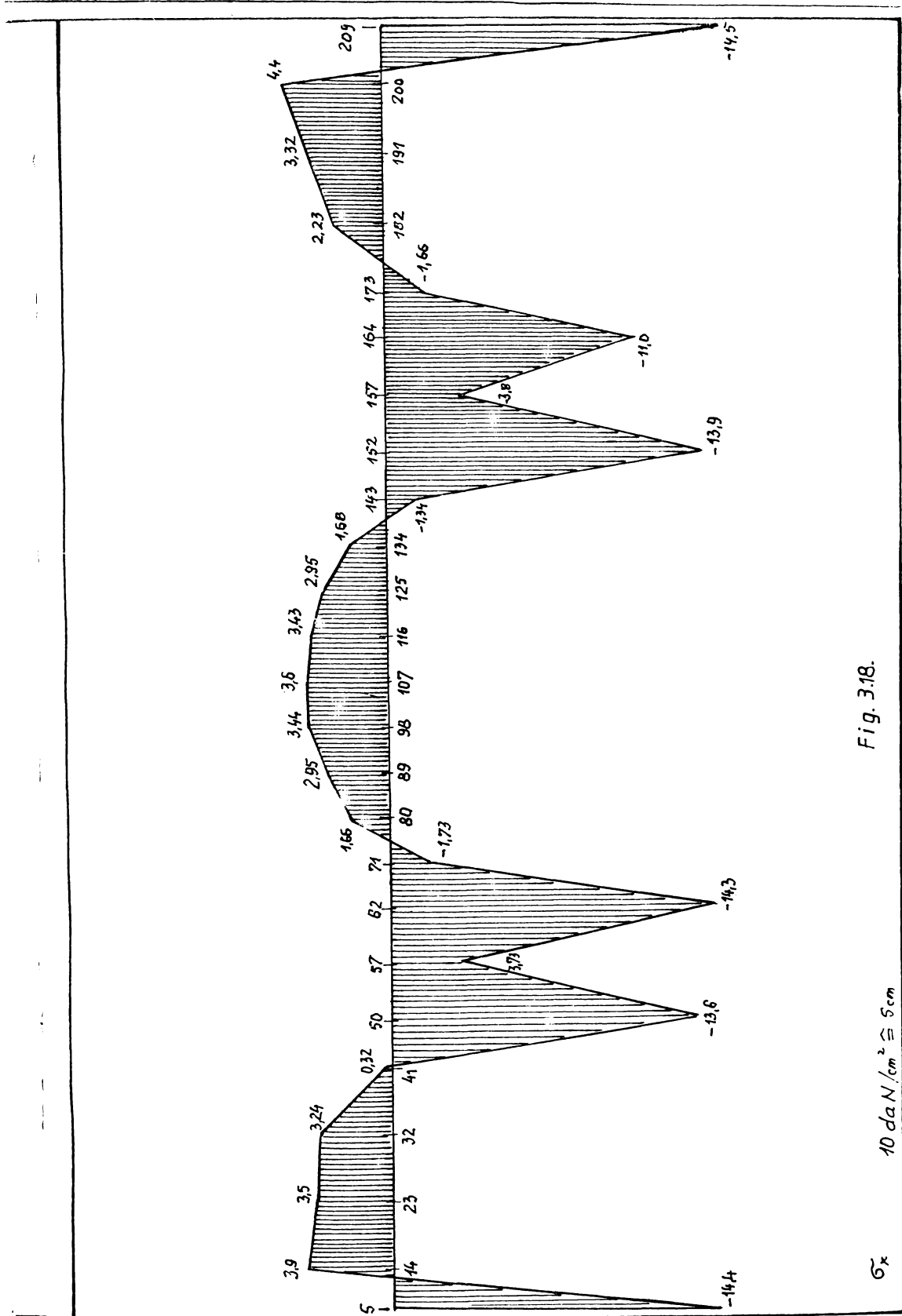
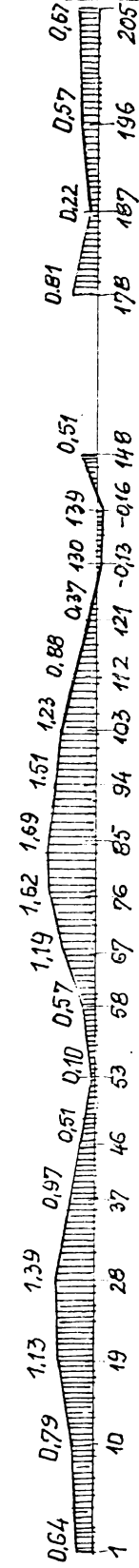
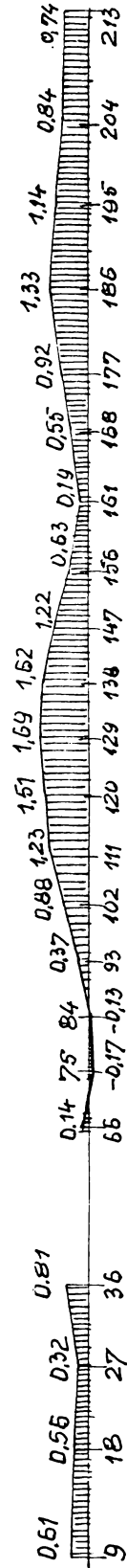
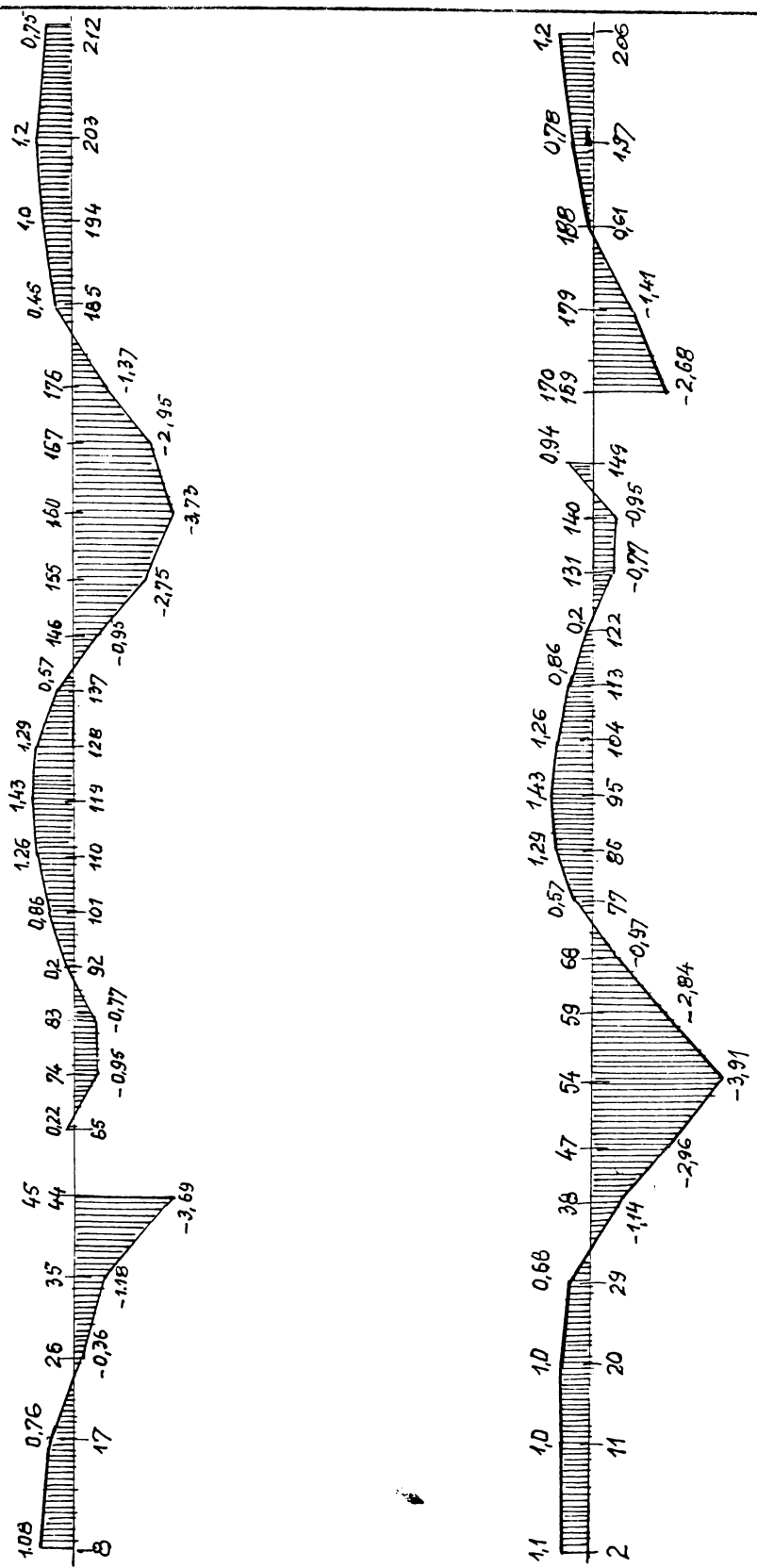


Fig. 3.18.



$\sigma_x$   
 $F_{y0}$  10 da N/cm<sup>2</sup>  $\approx$  5 cm

Fig. 3.19.



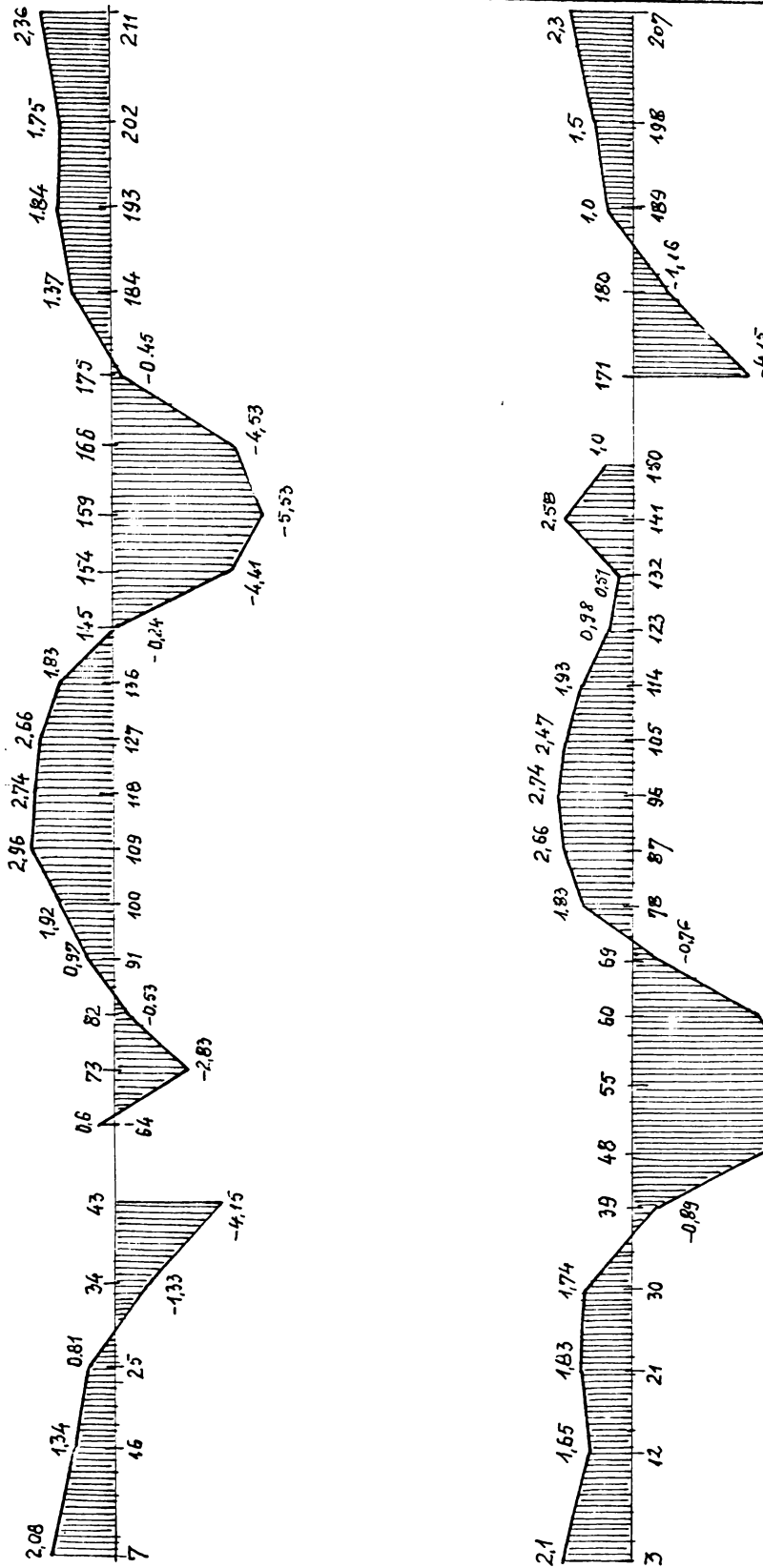


Fig. 3.21.

$10 \text{ da.N/cm}^2 \cong 5 \text{ cm}$

$\sigma_x$   
FUD

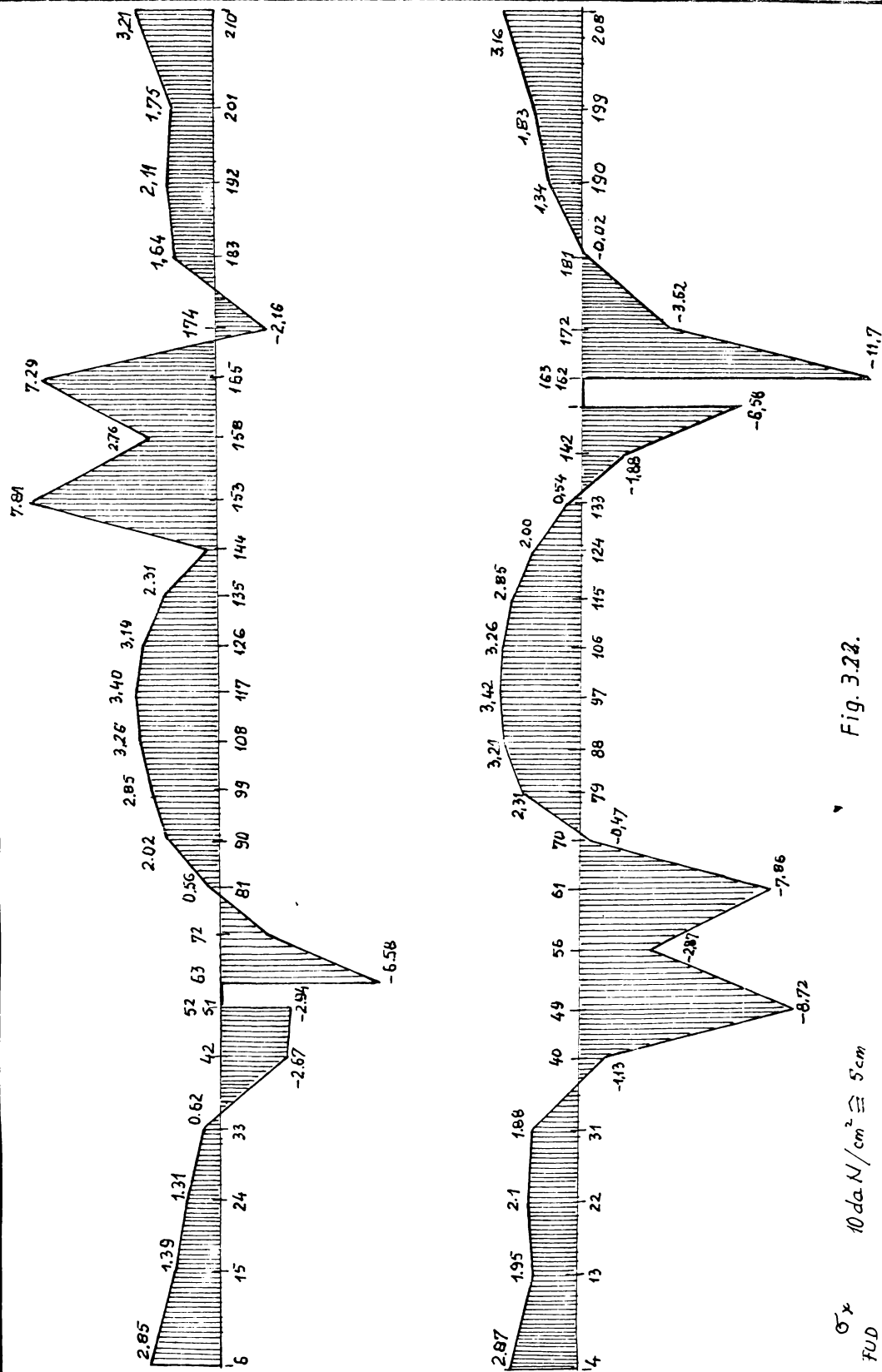
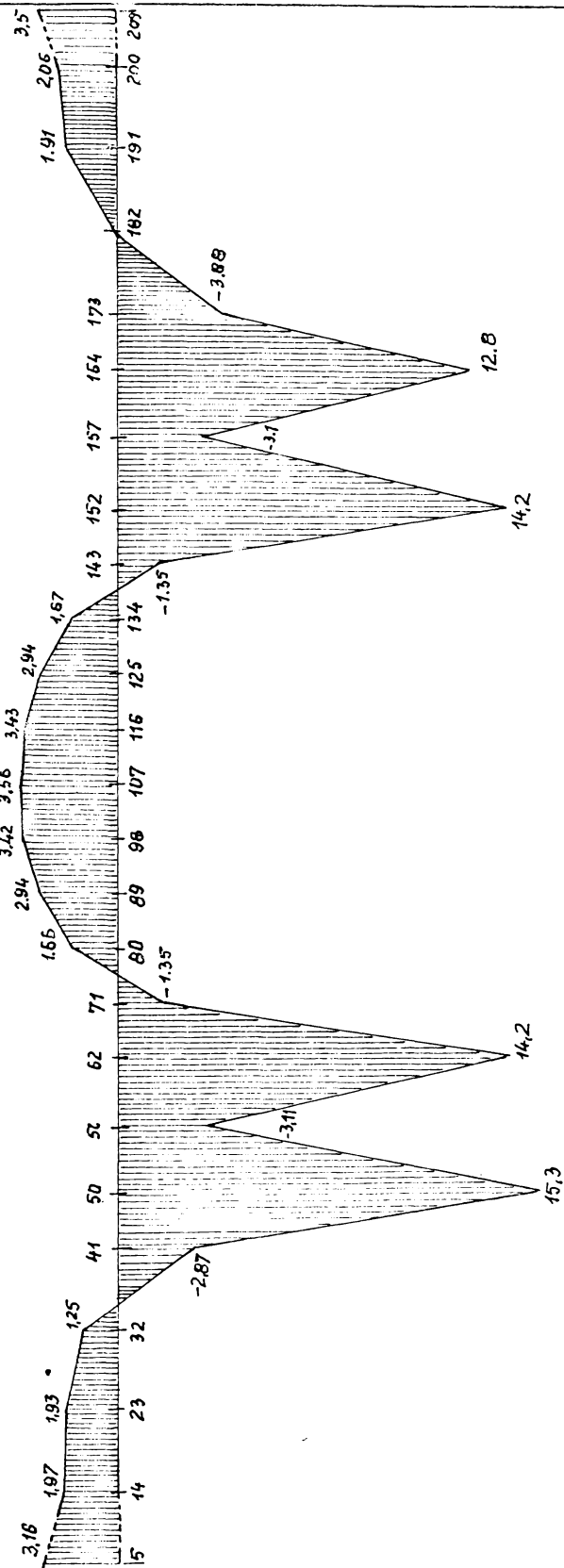


Fig. 3.22.



$\sigma_x$   
 $10 \text{ da N/cm}^2 \cong 5 \text{ cm}$   
 FUD

Fig. 3.23.

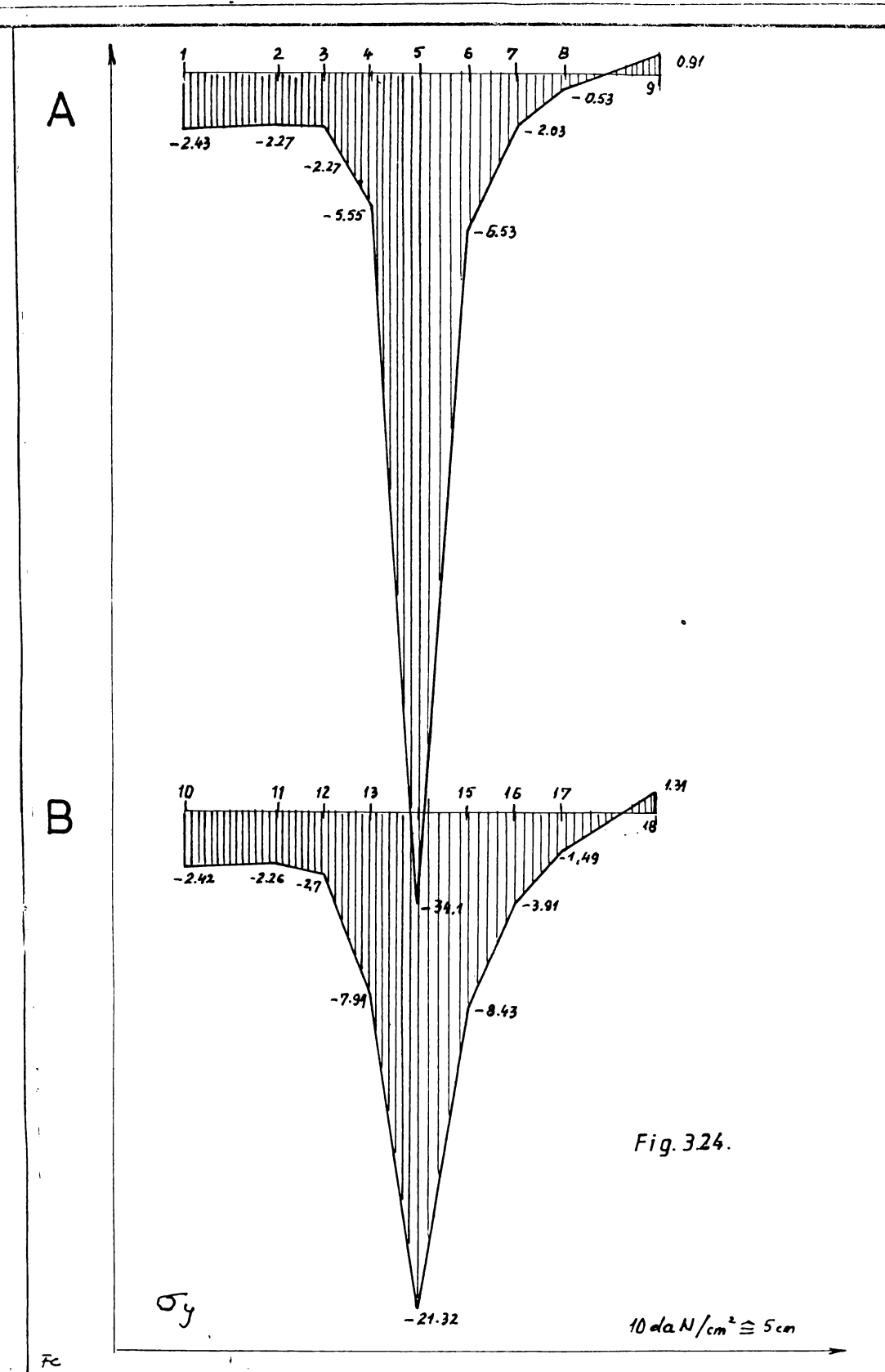


Fig. 324.



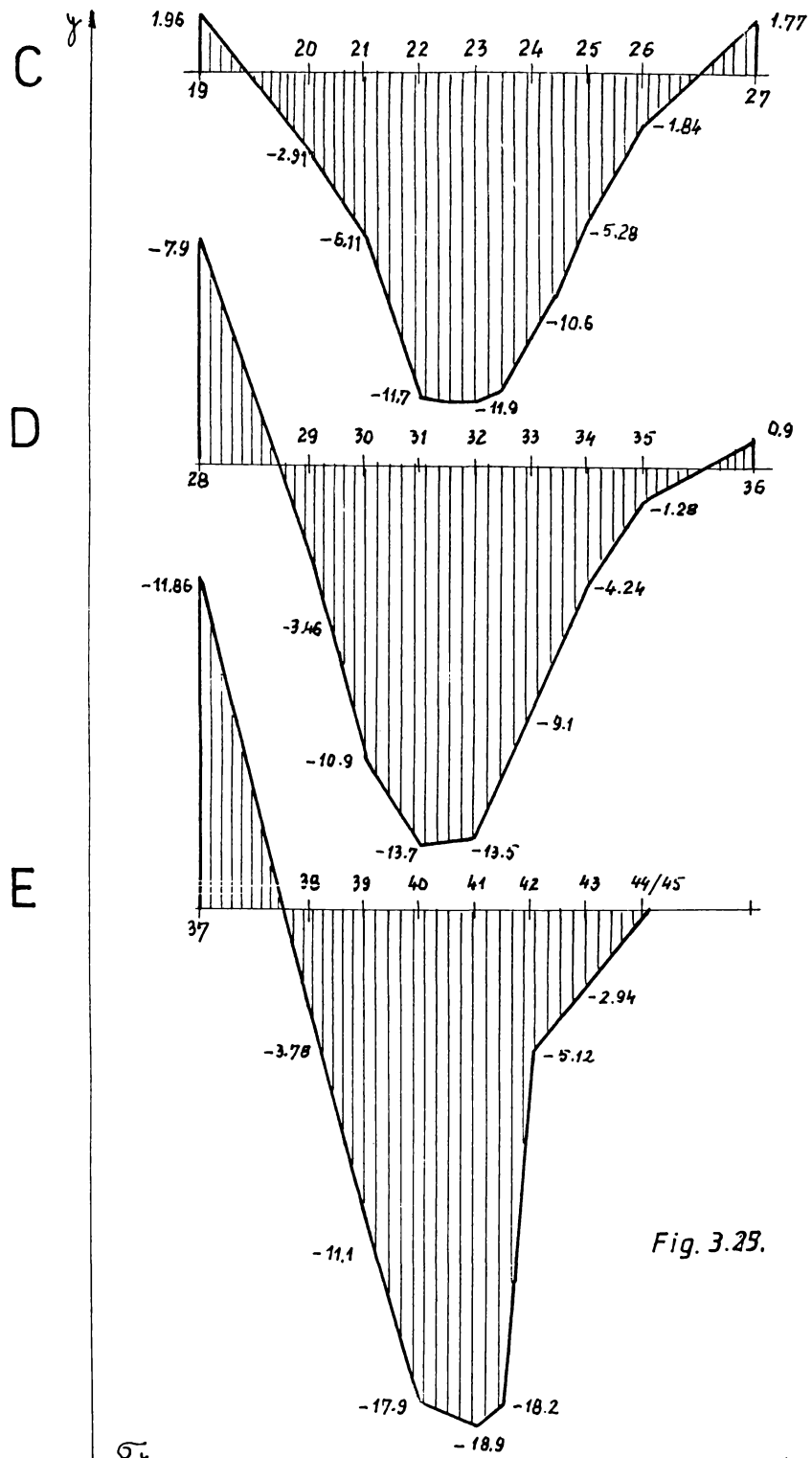


Fig. 3.25.

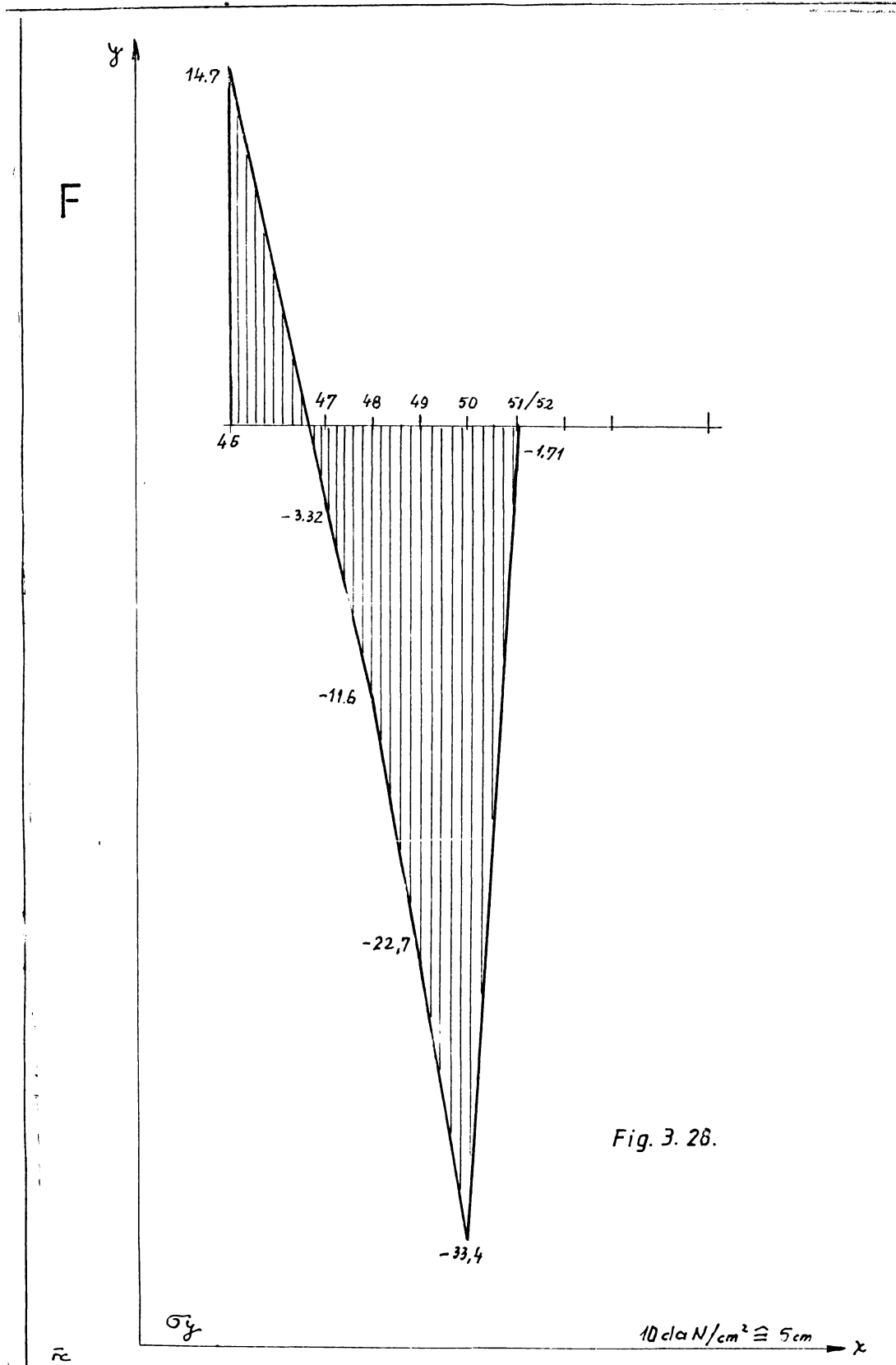


Fig. 3. 26.

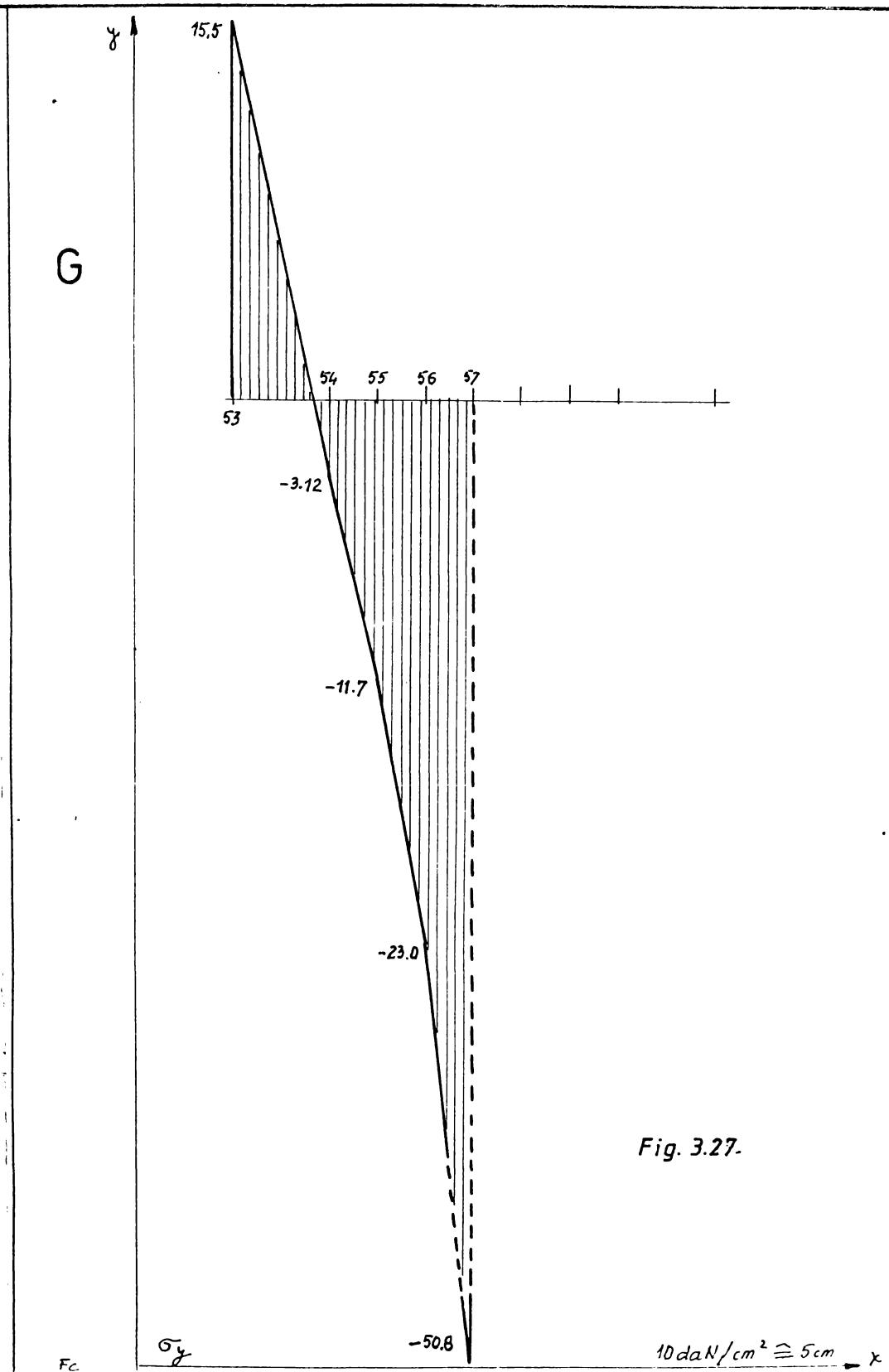


Fig. 3.27.

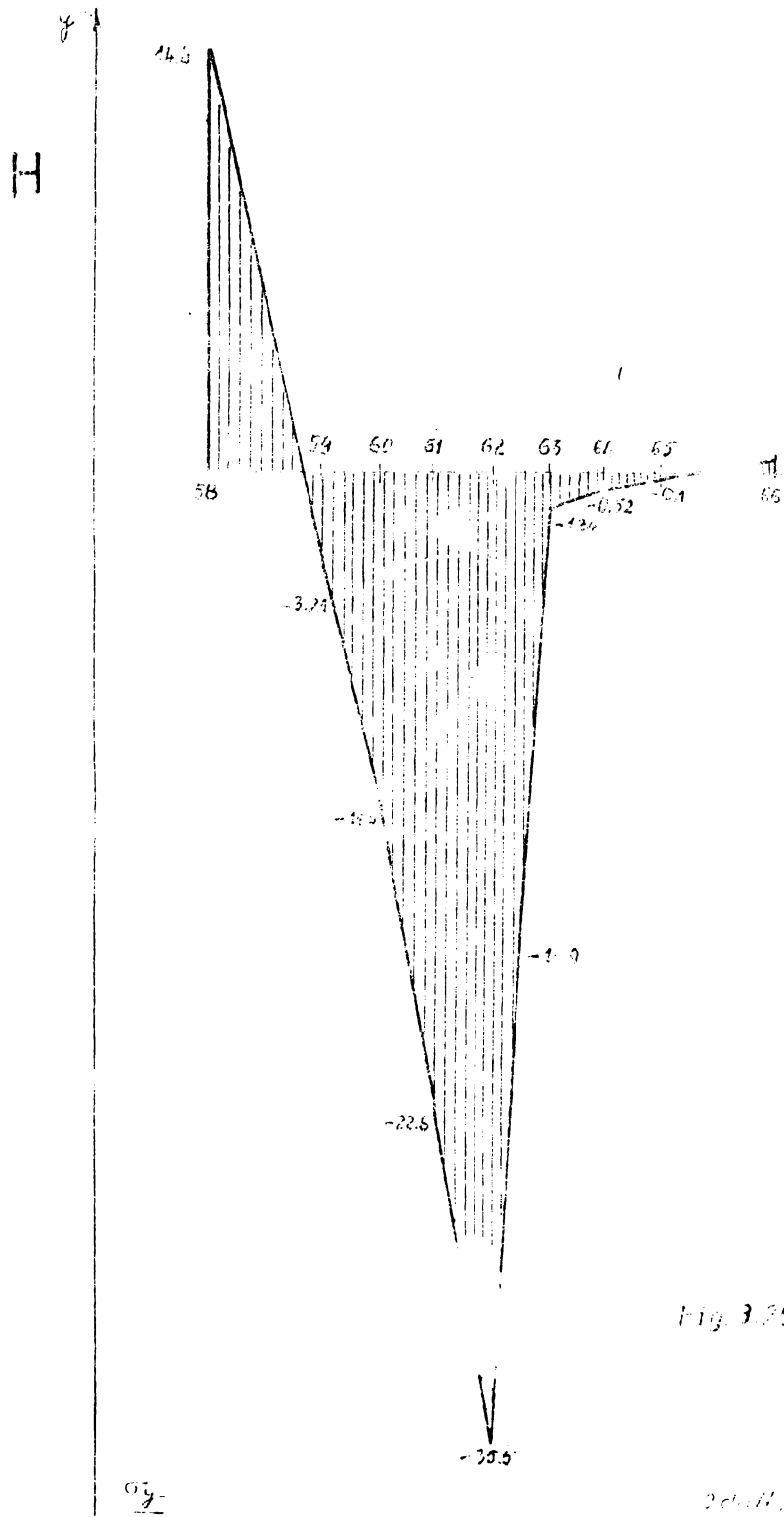
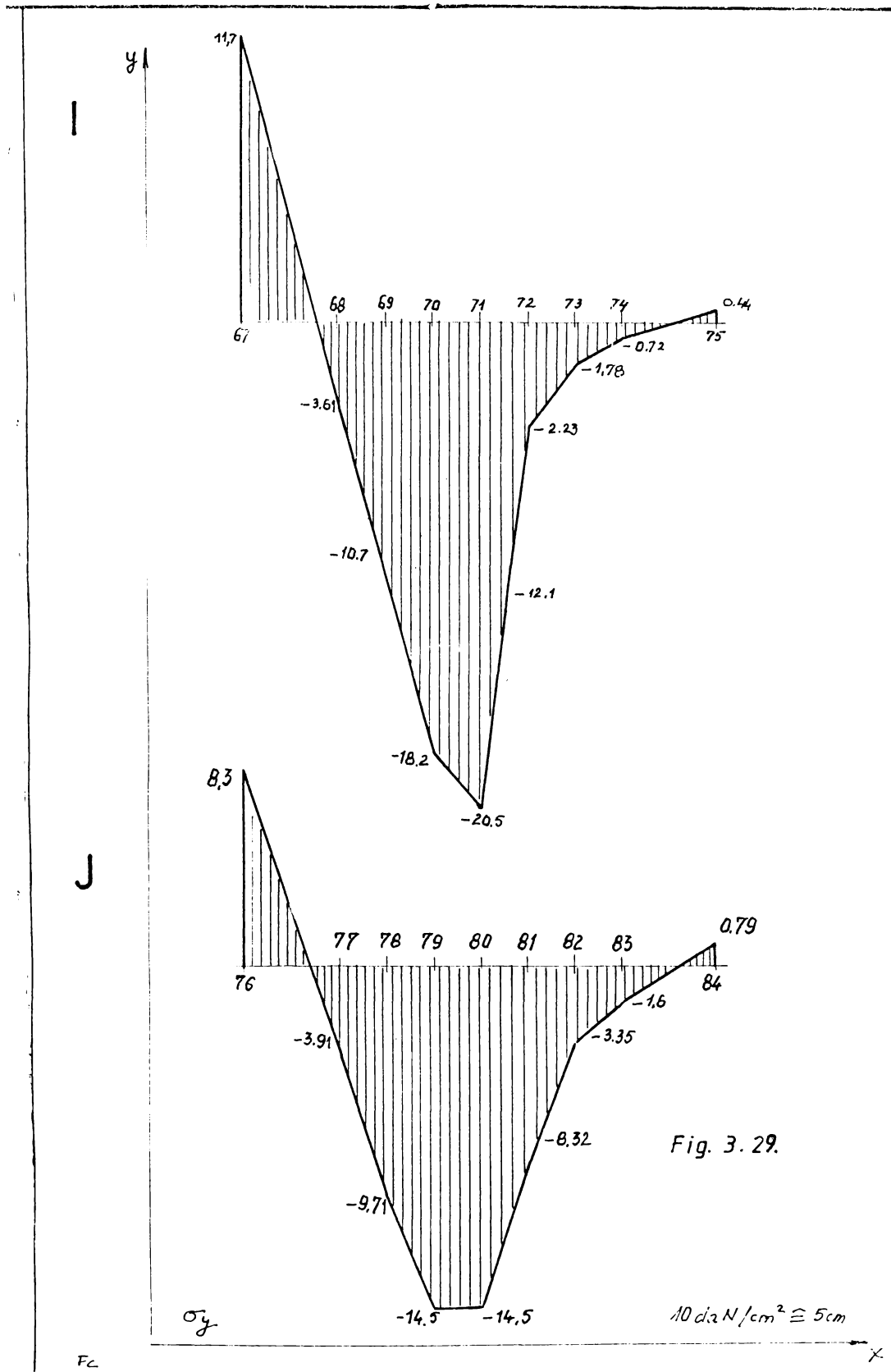
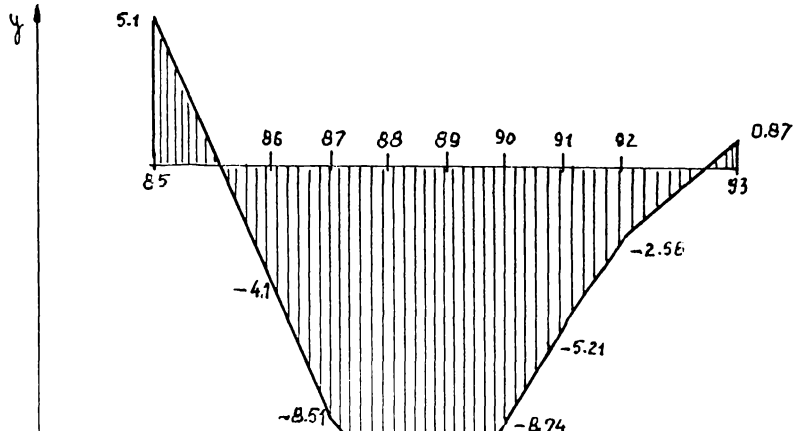


Fig. 3.25.

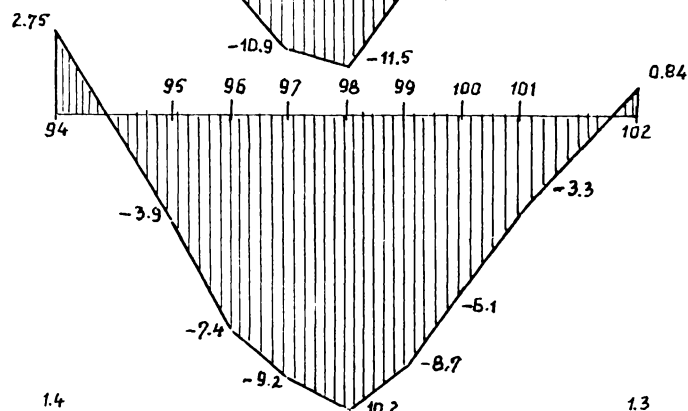
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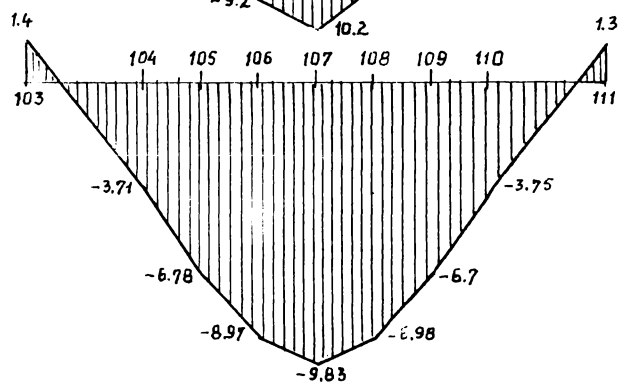
K



L



M



N

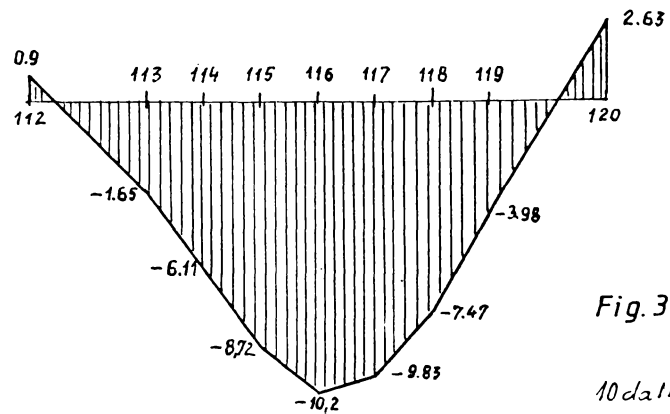
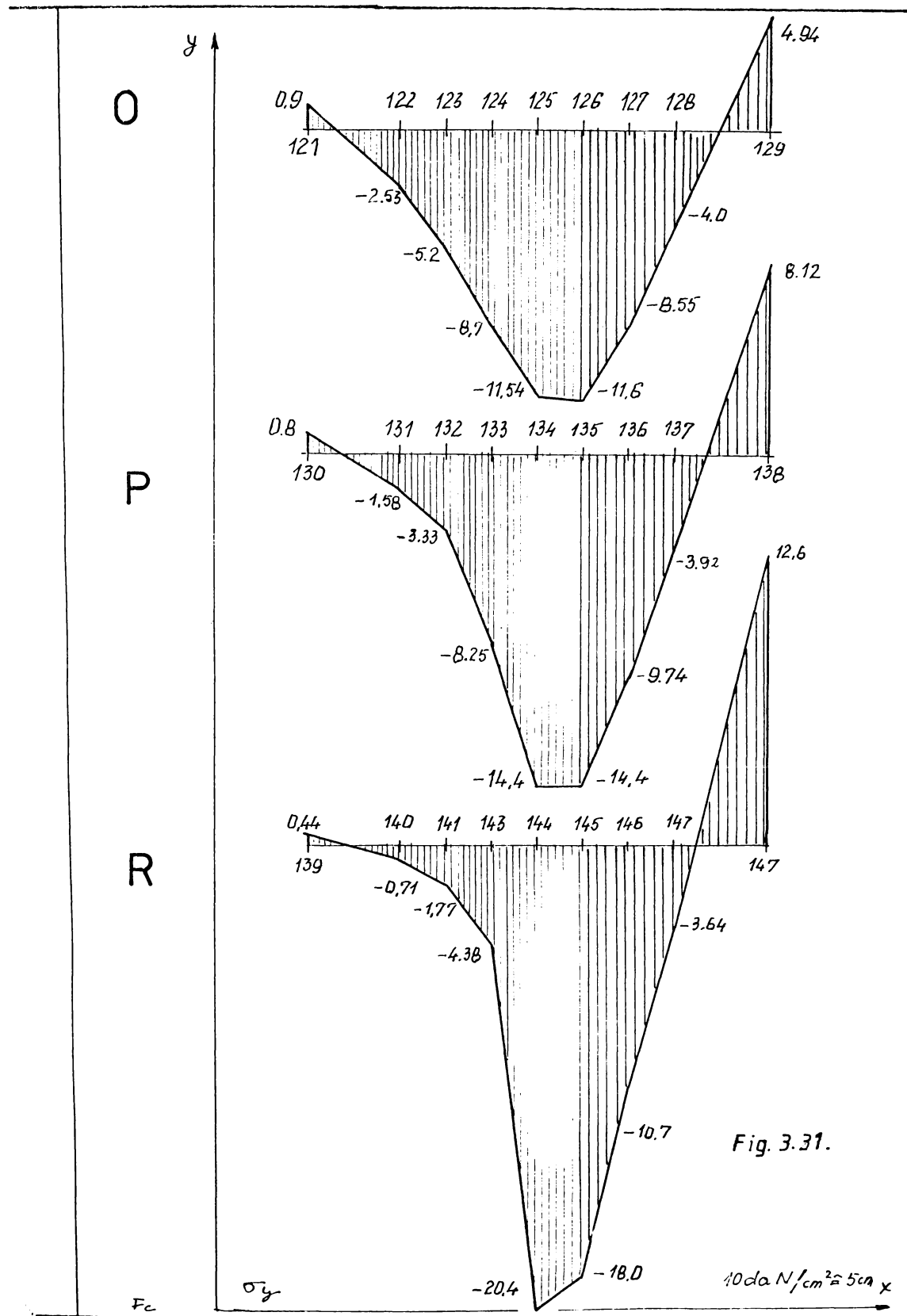
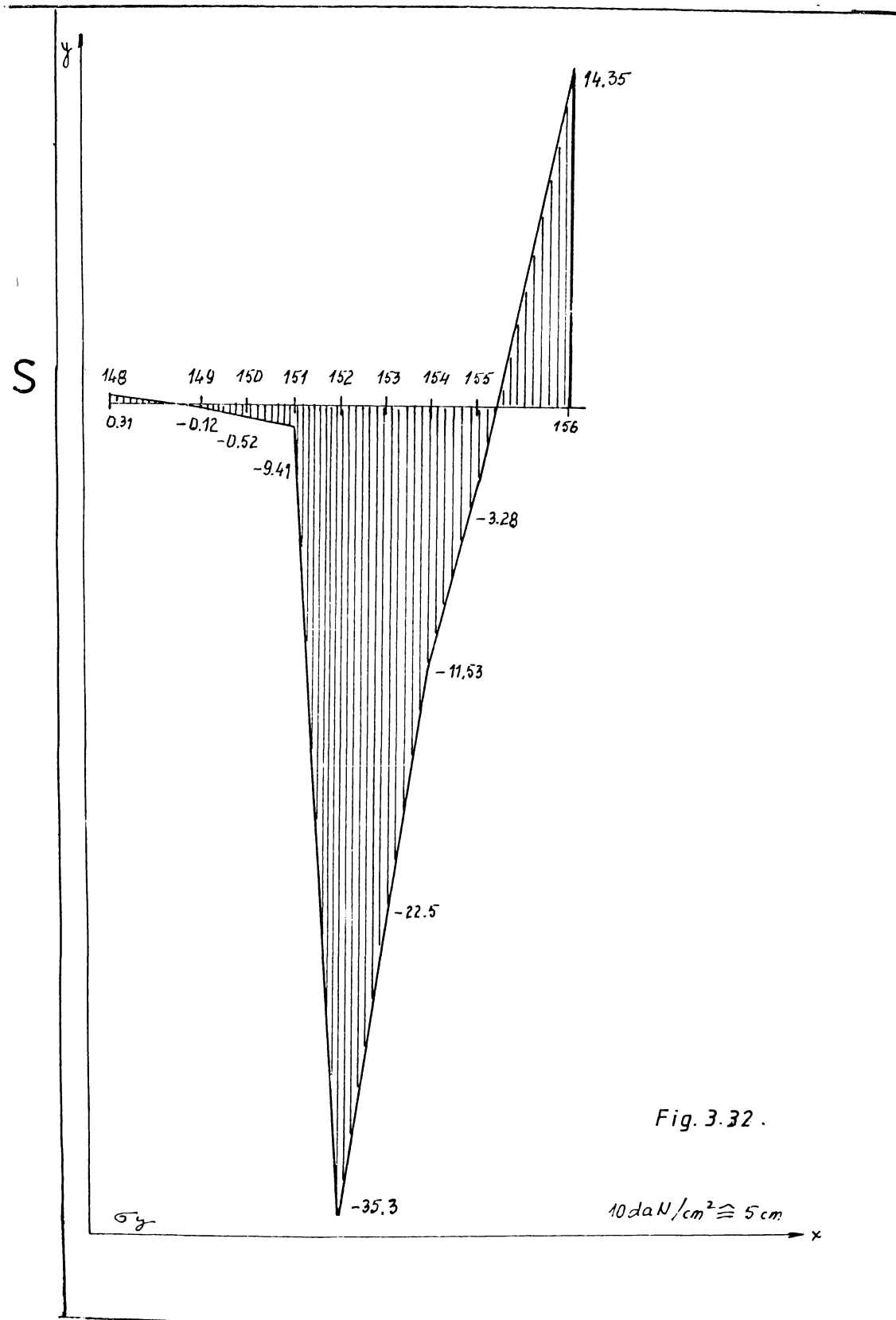


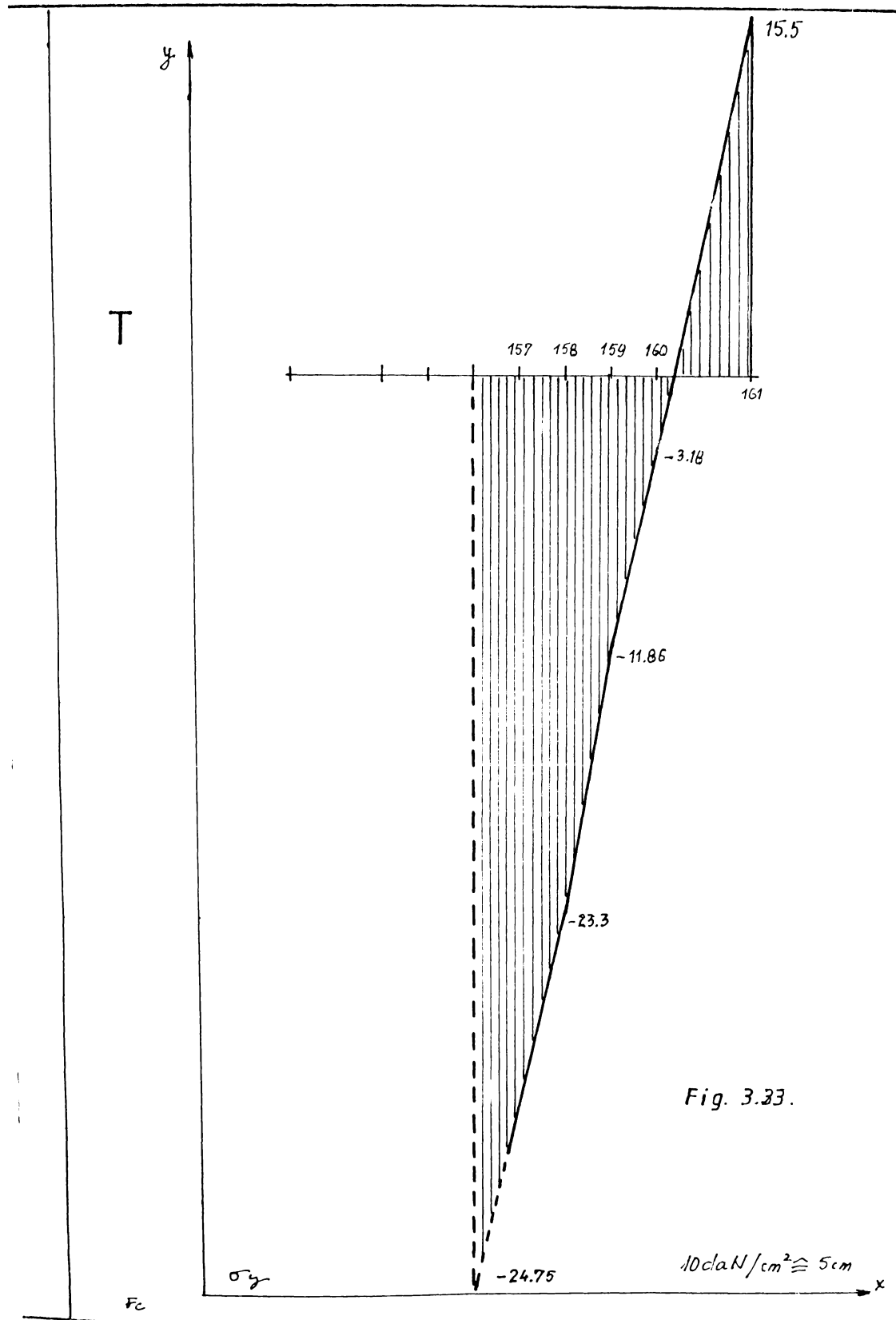
Fig. 3. 30.

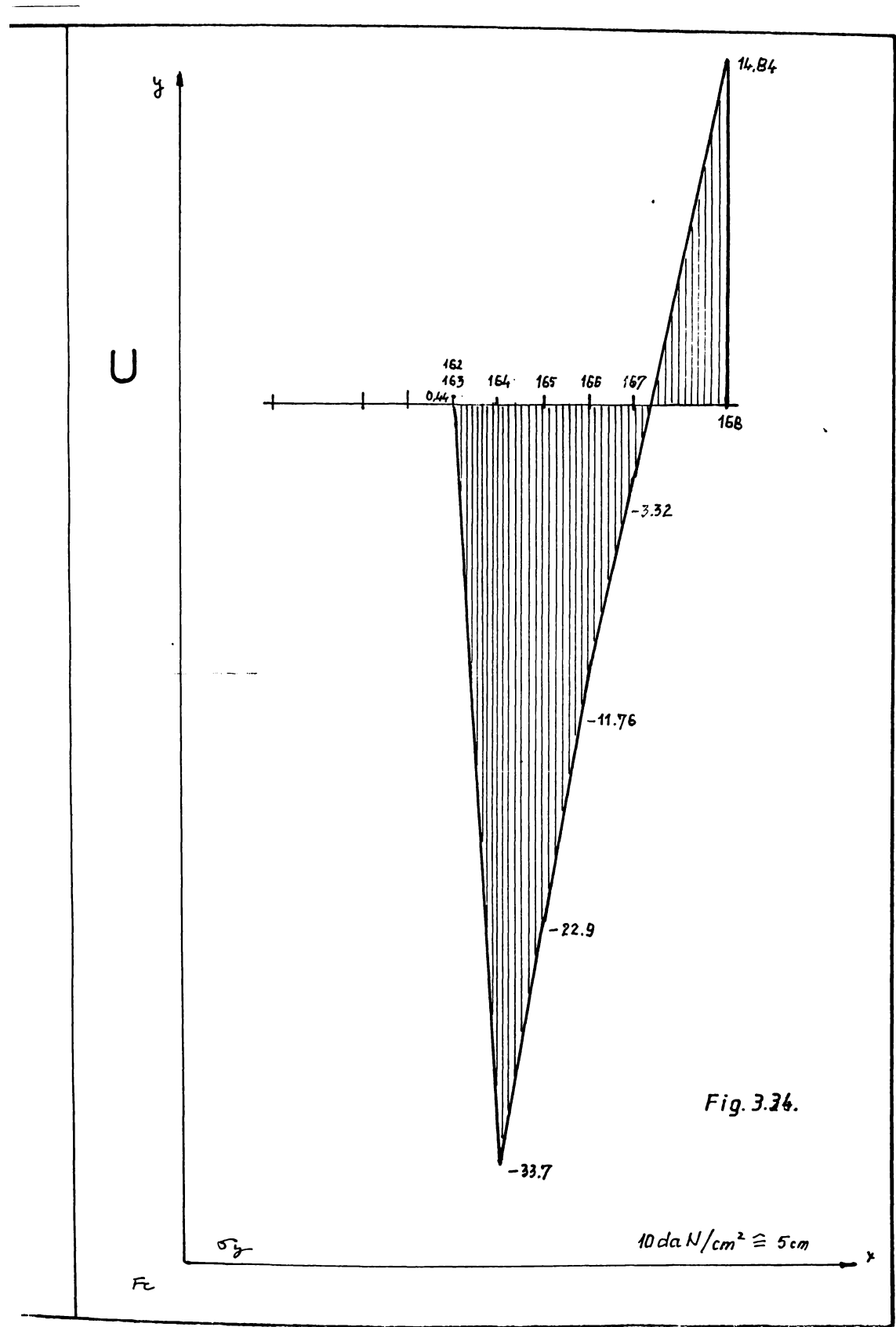
 $10 \text{ daH/cm}^2 \cong 5 \text{ cm } x$











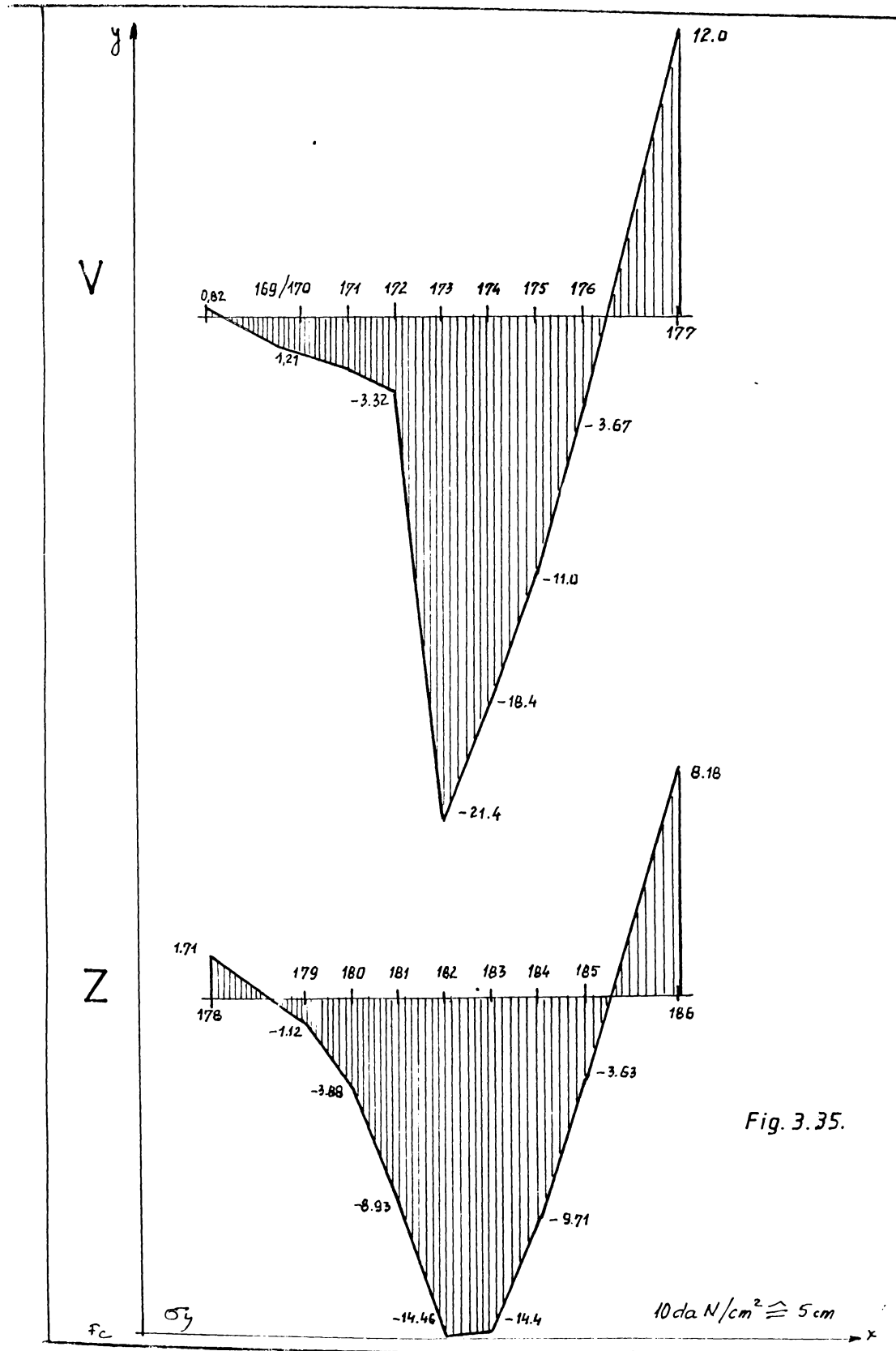


Fig. 3.35.

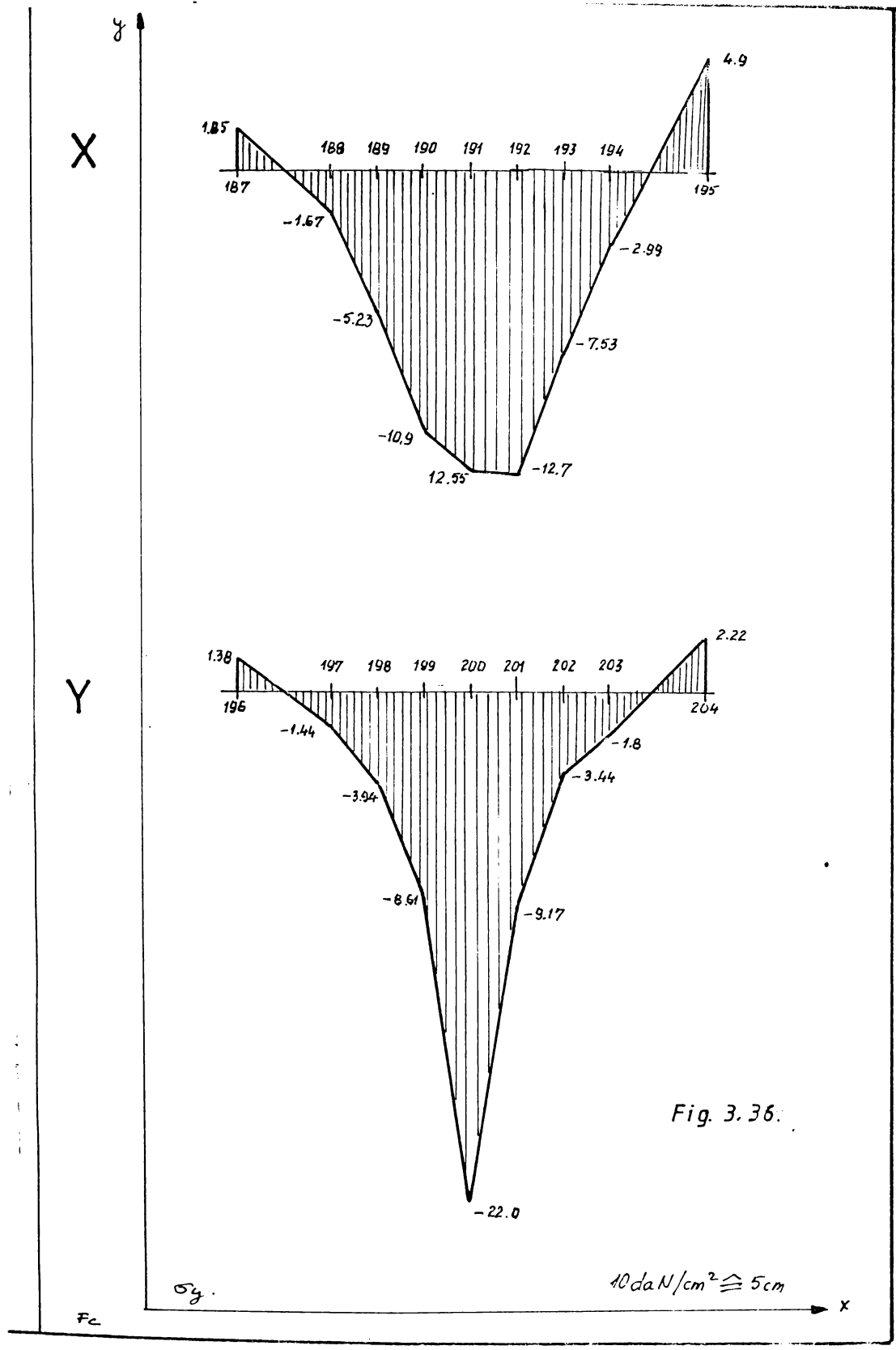
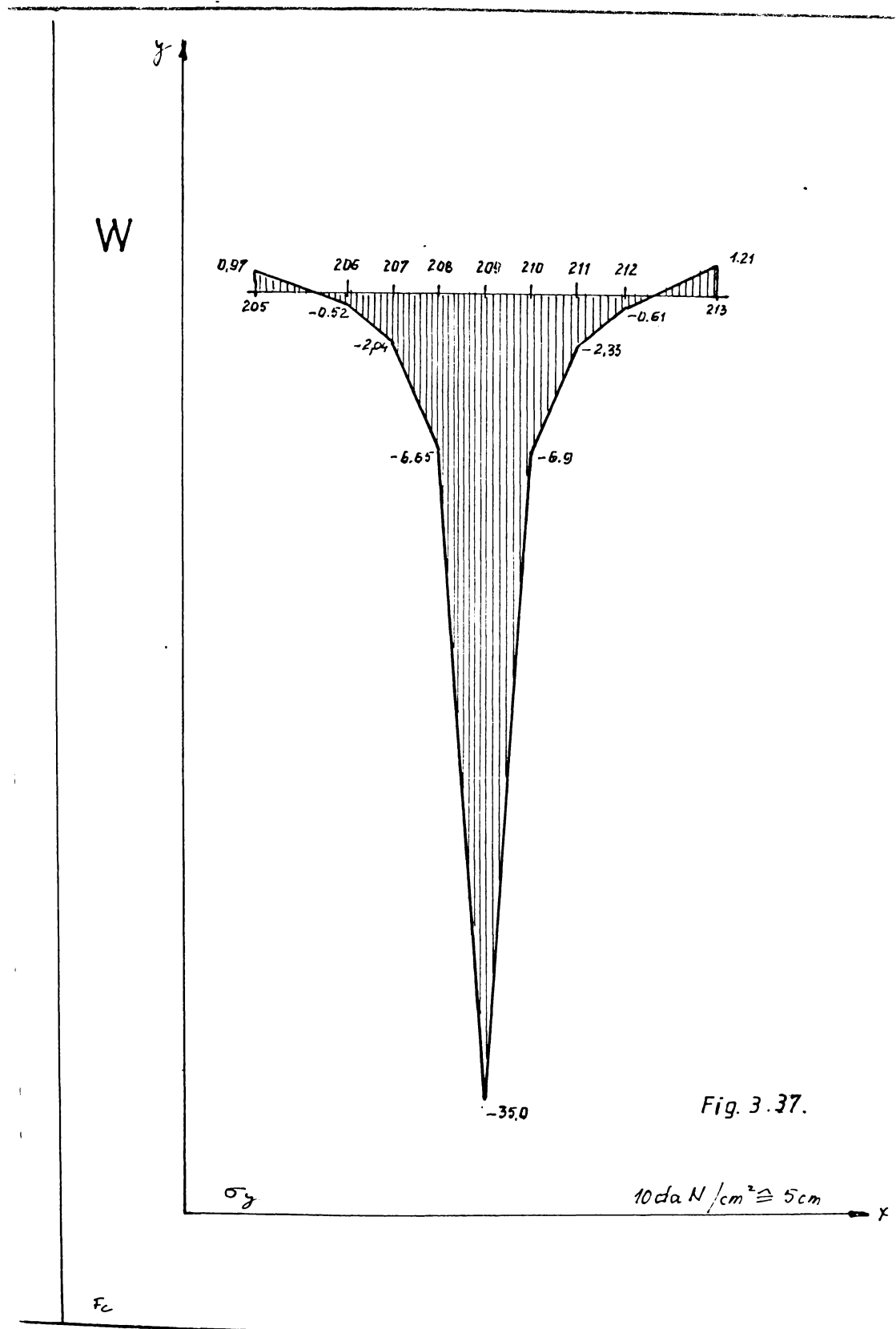
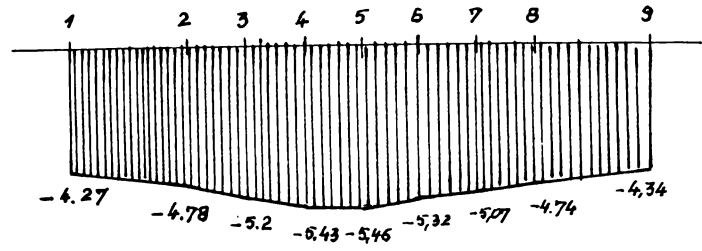


Fig. 3.36.

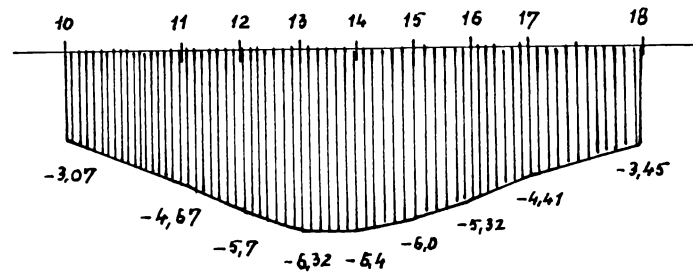
$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$



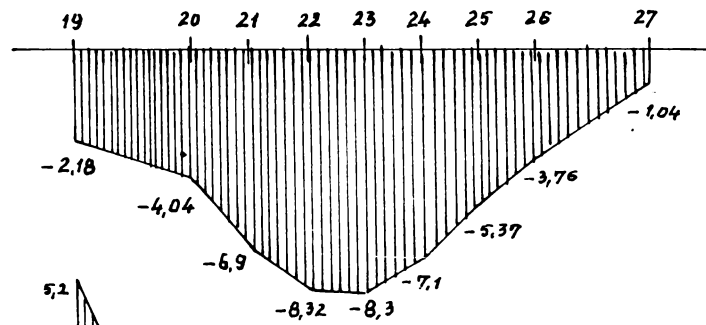
A



B



C



D

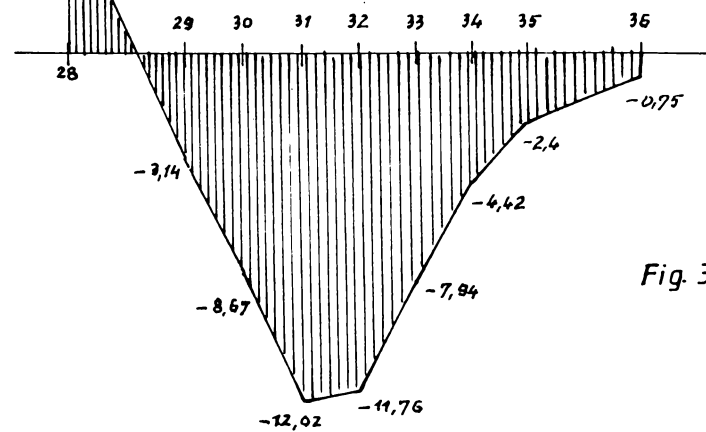


Fig. 3.38.

 $\sigma_y$  $10 \text{ da N/cm}^2 \cong 5 \text{ cm}$

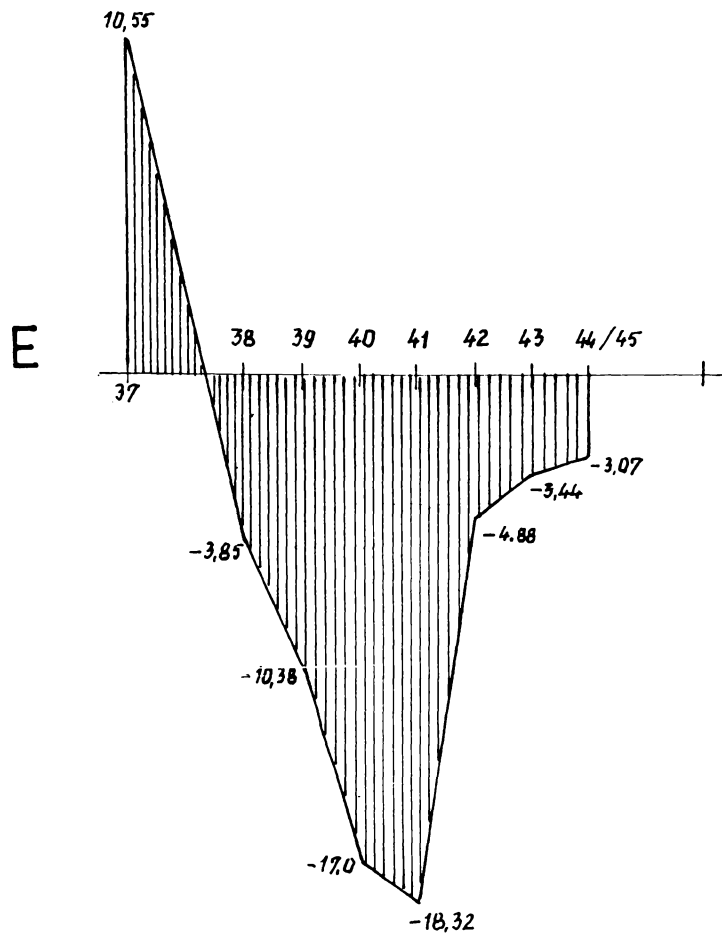


Fig. 3.39

$\sigma_y$

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$

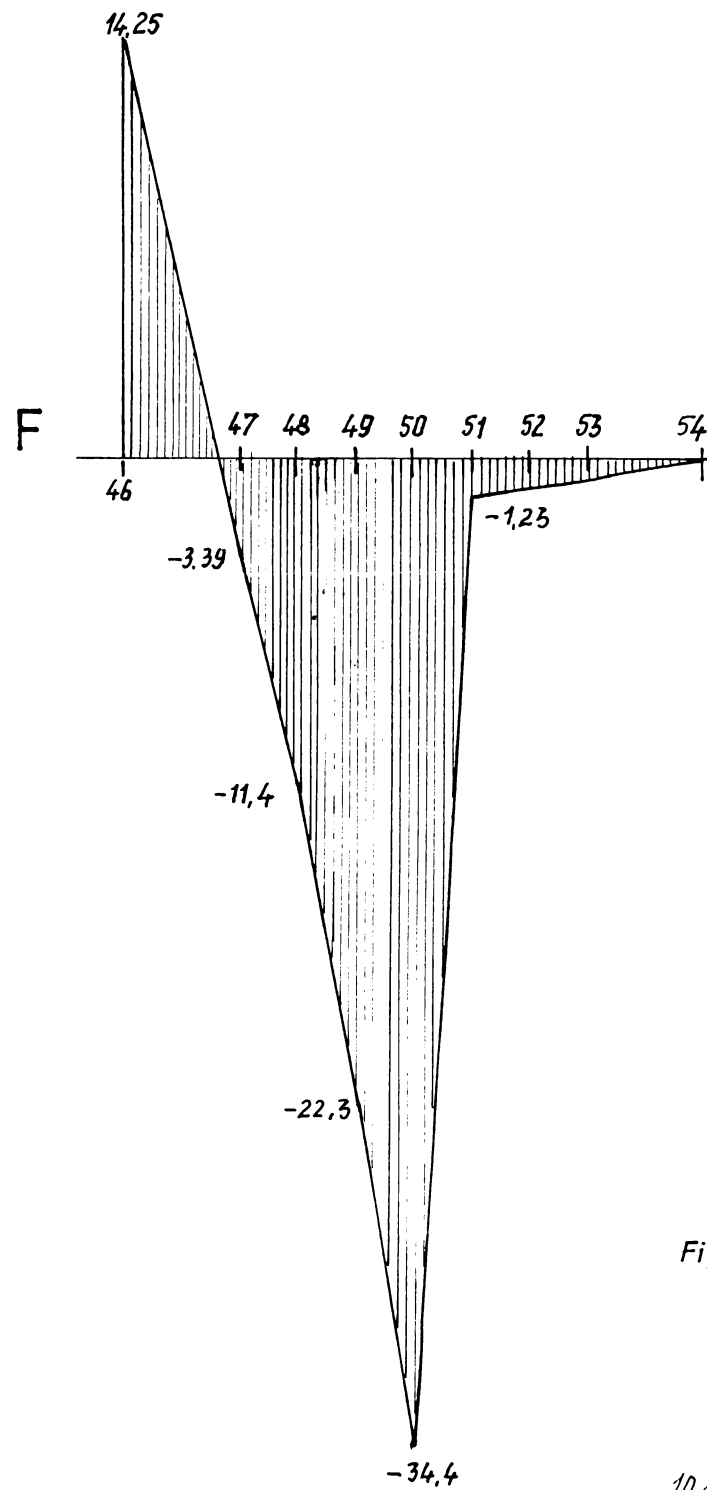


Fig. 3. 40.

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$



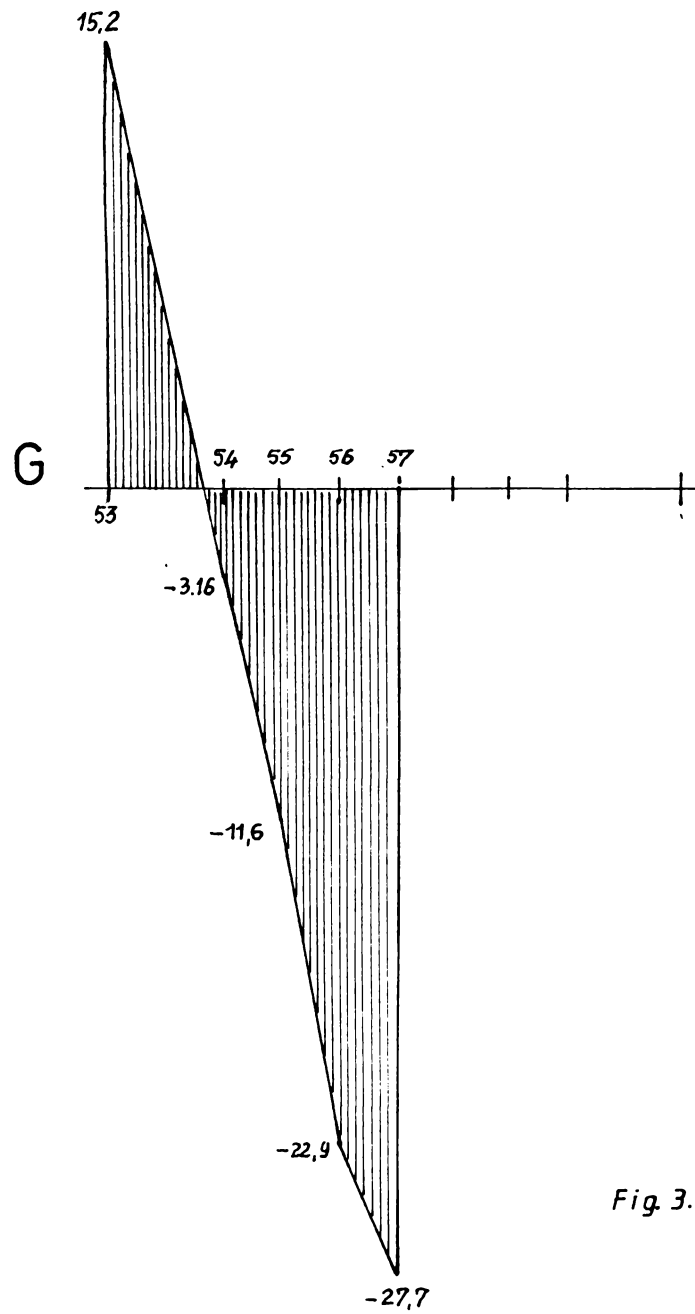


Fig. 3. 41.

$\sigma_y$

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$

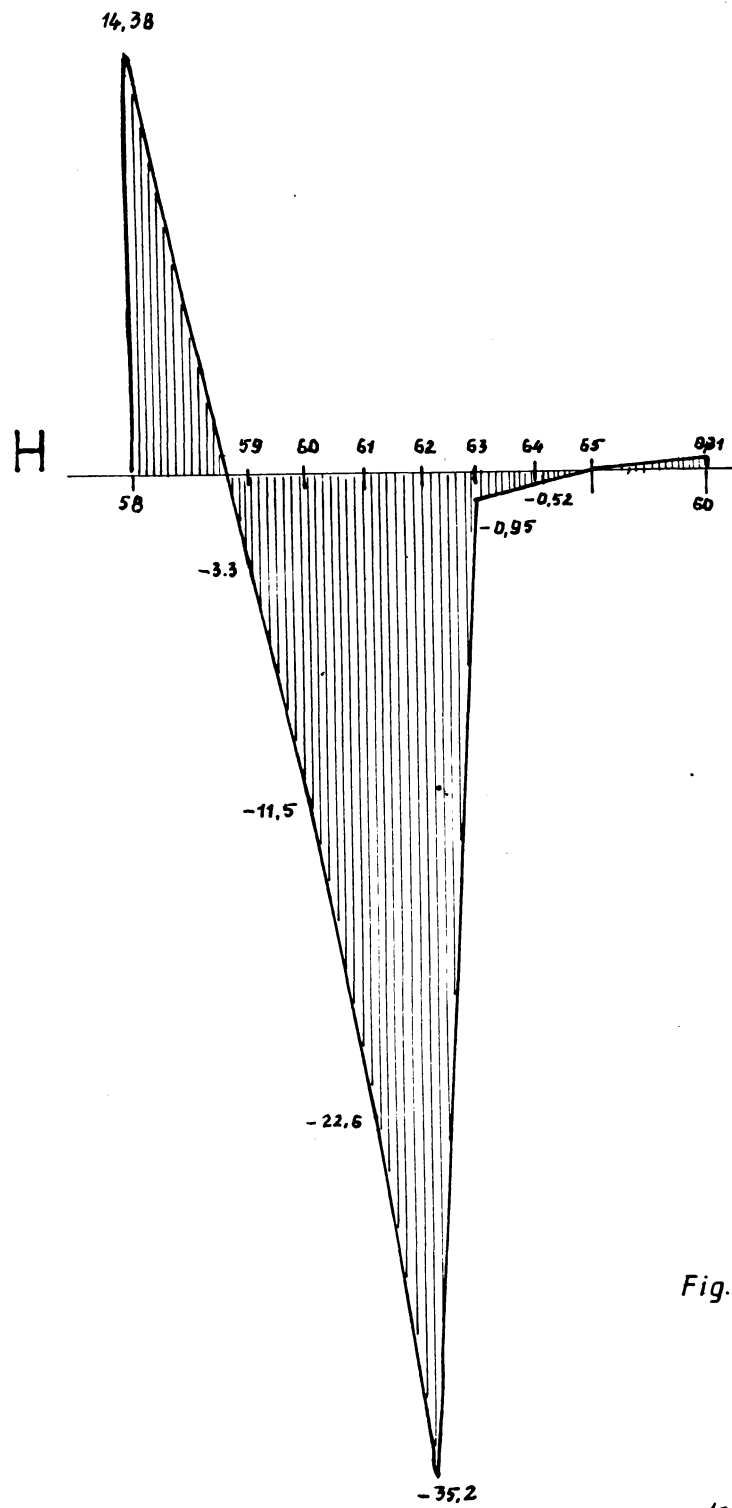


Fig. 3.42.

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$

$\sigma_y$

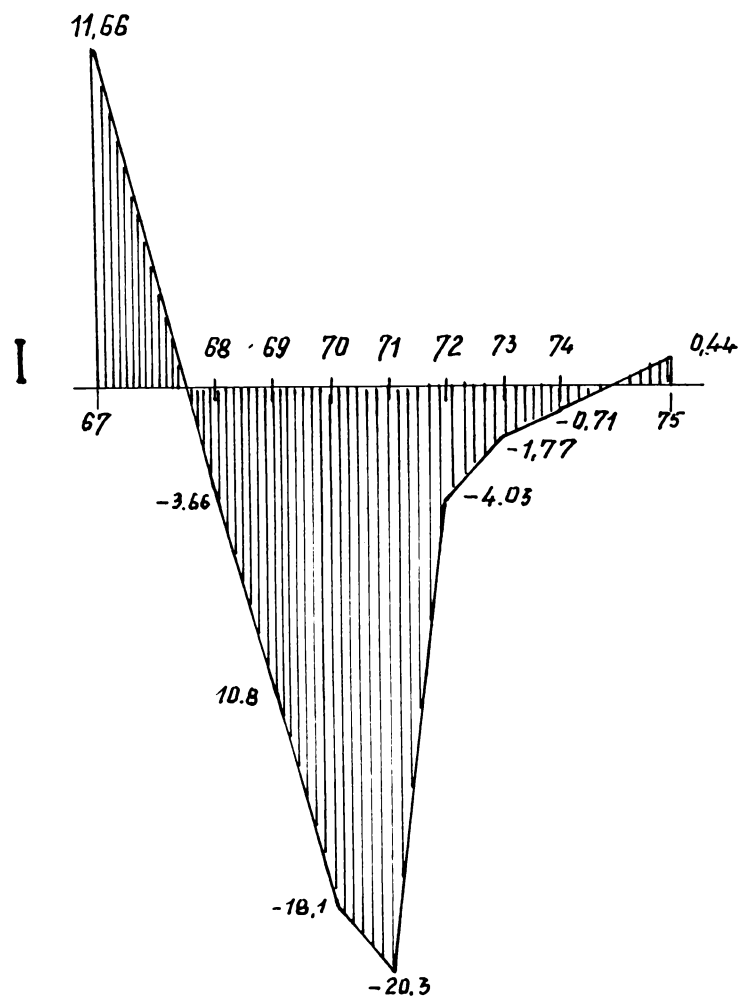


Fig. 3.43.

$\sigma_y$ .

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$

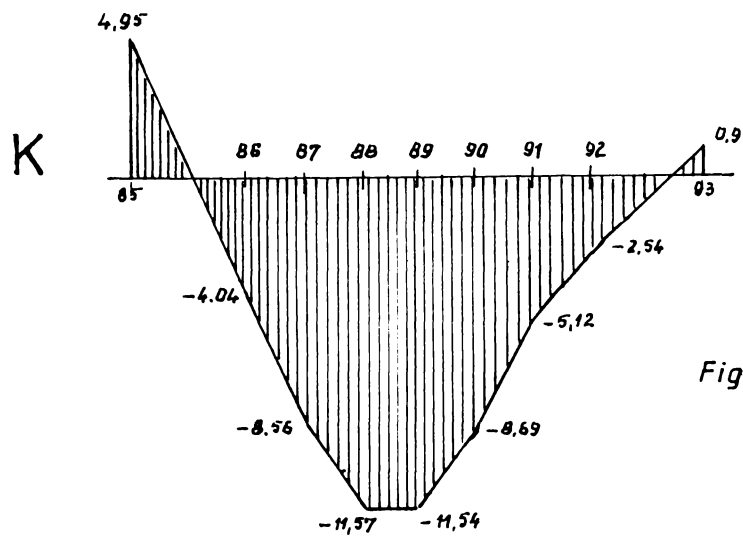
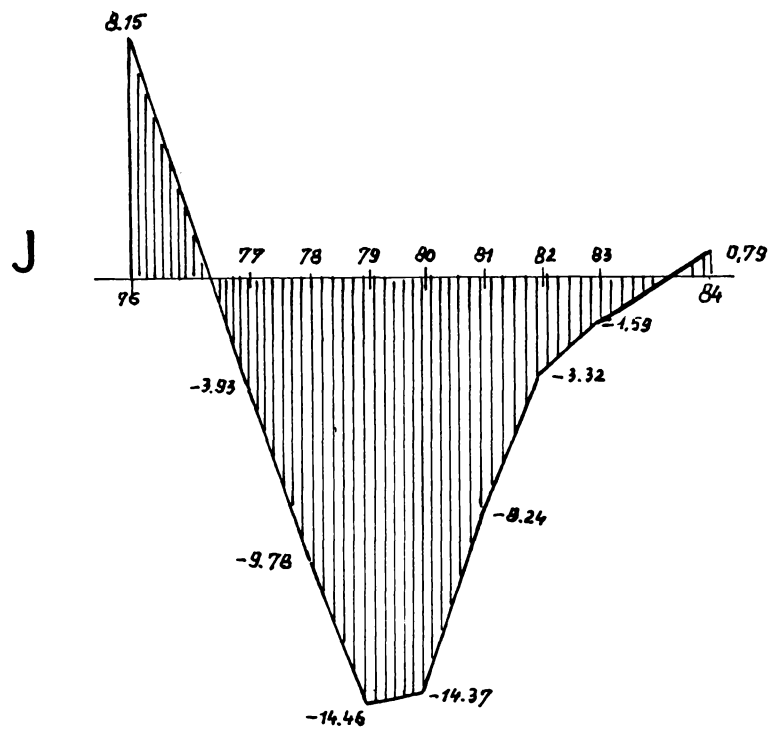


Fig. 3.44.

$\sigma_y$ .

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$

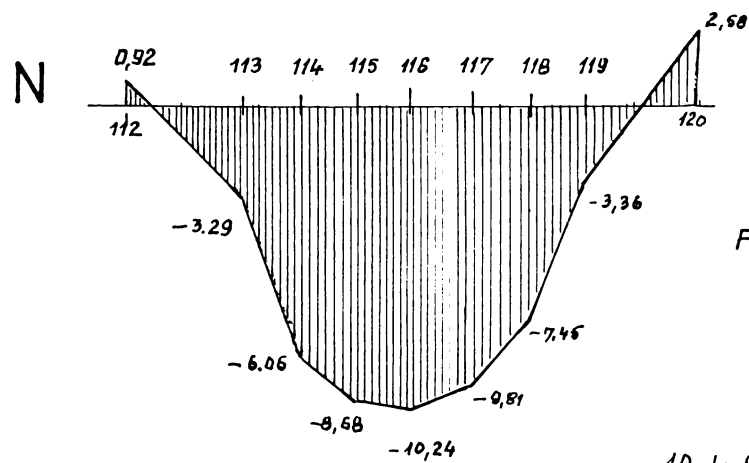
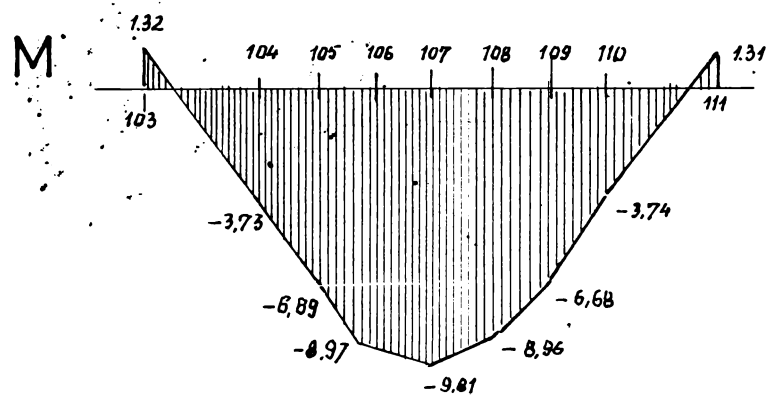
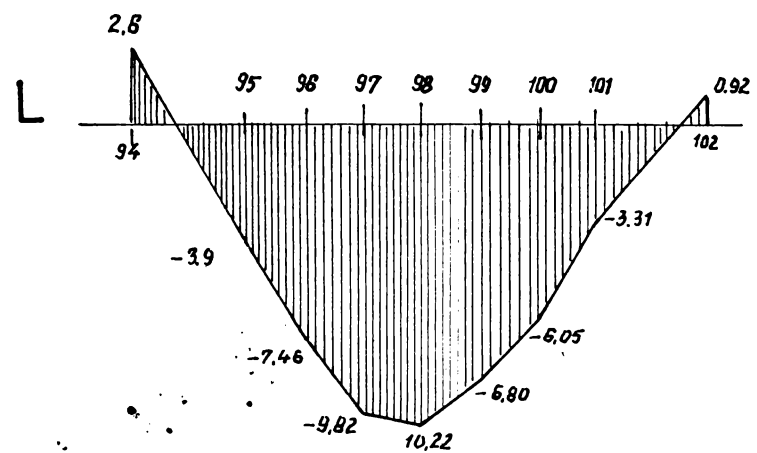


Fig. 3.63.

$\sigma_y$

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$

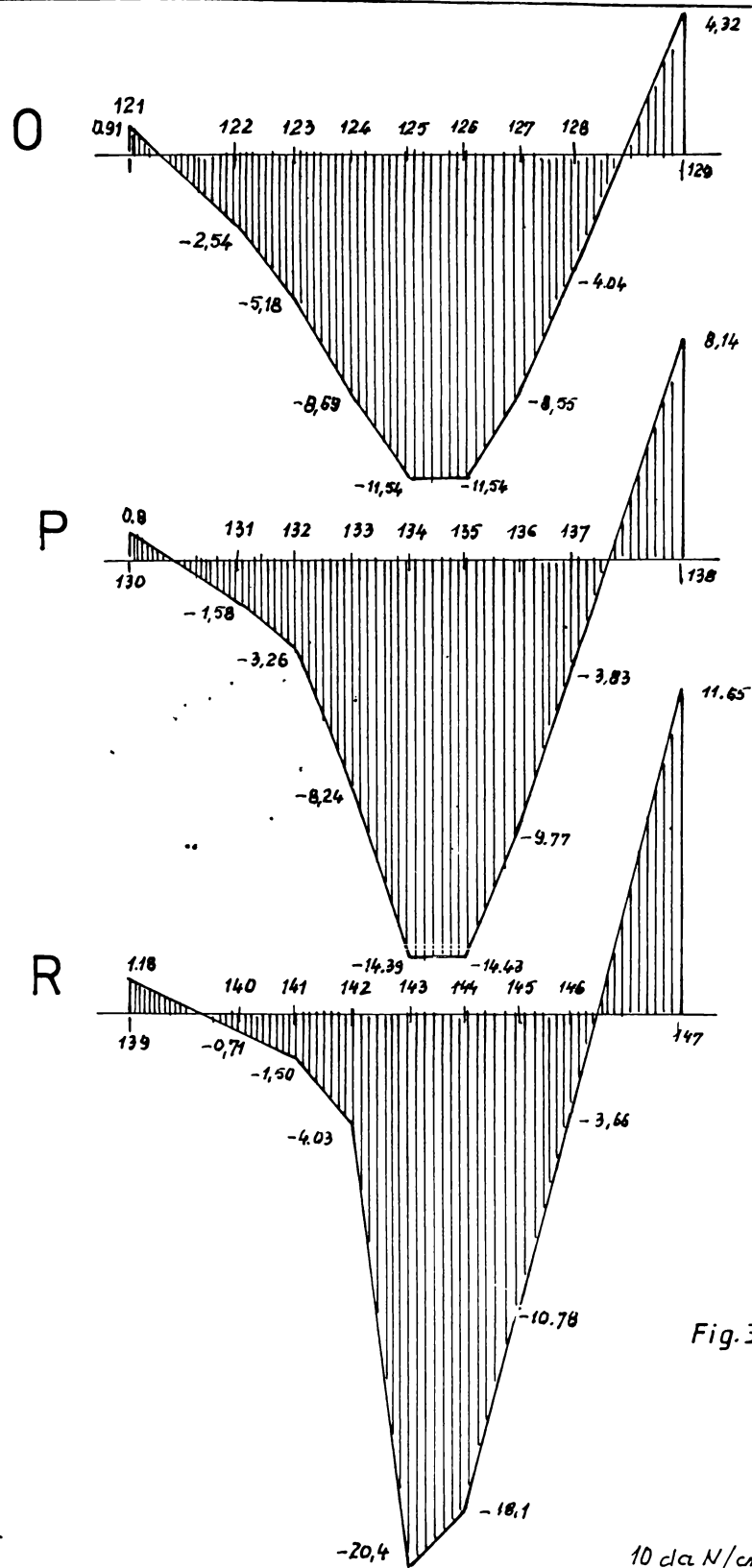


Fig. 3. 48.

$\sigma_y$

10 da N/cm<sup>2</sup>  $\cong$  5 cm

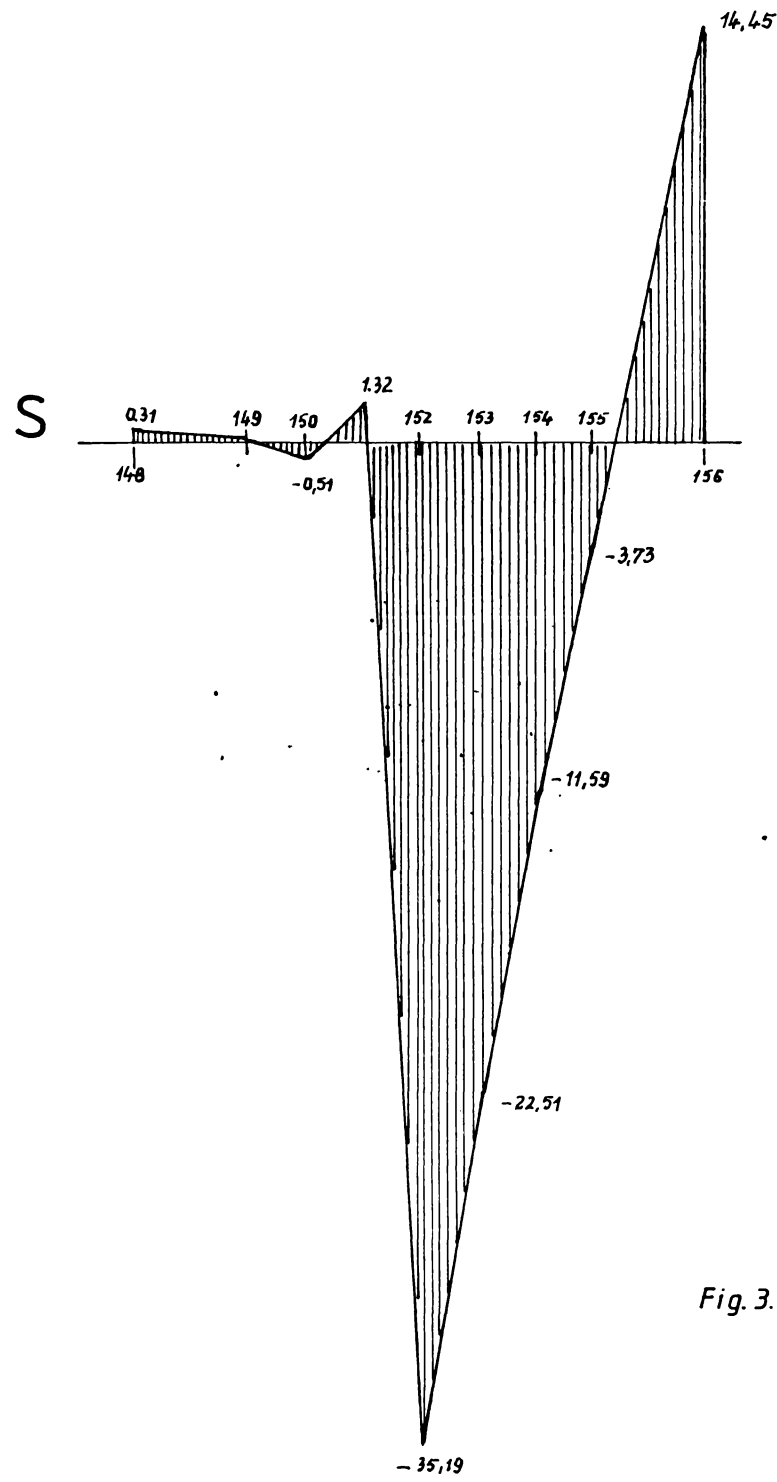
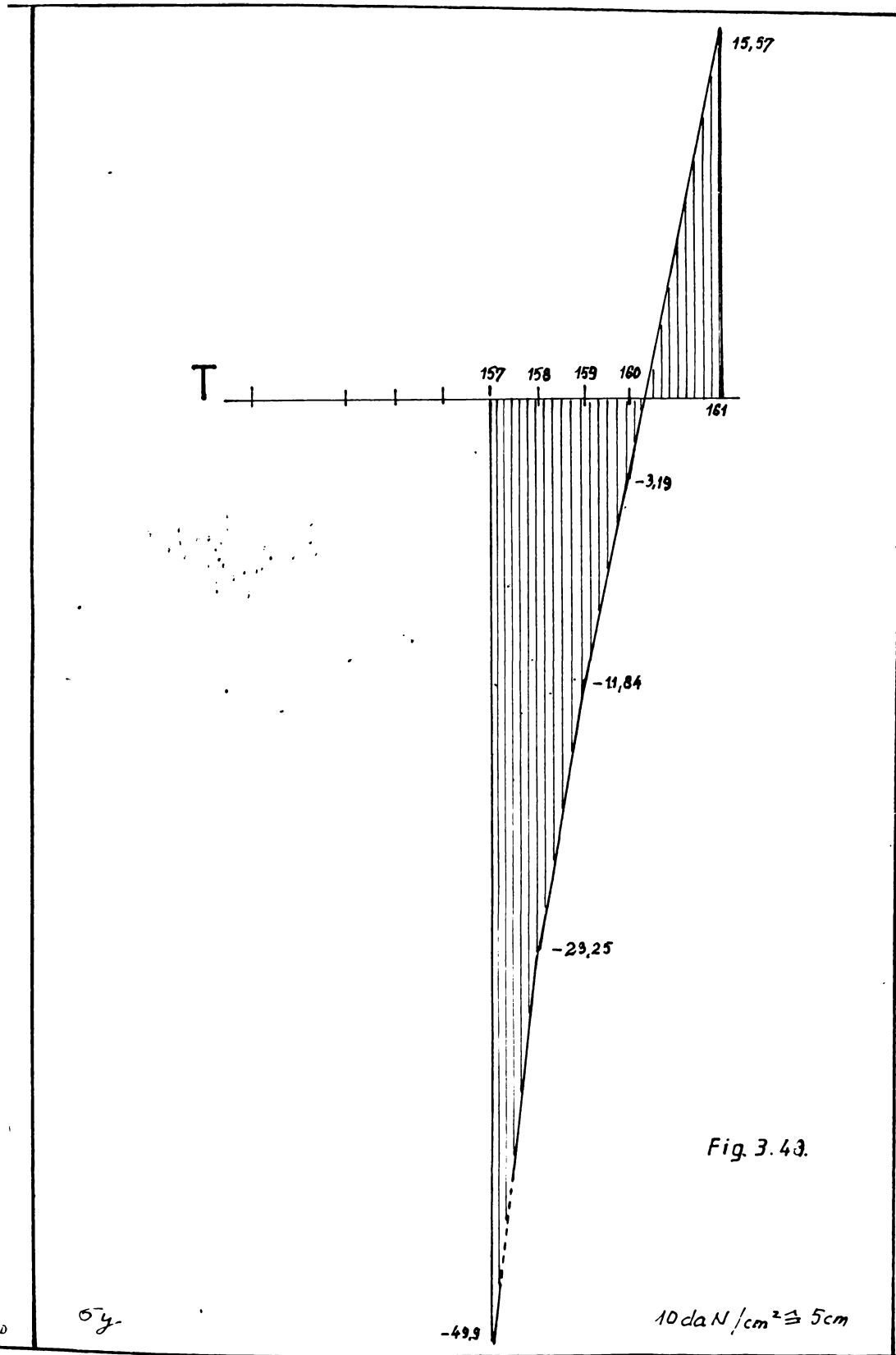


Fig. 3.47.

$\sigma_y$

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$





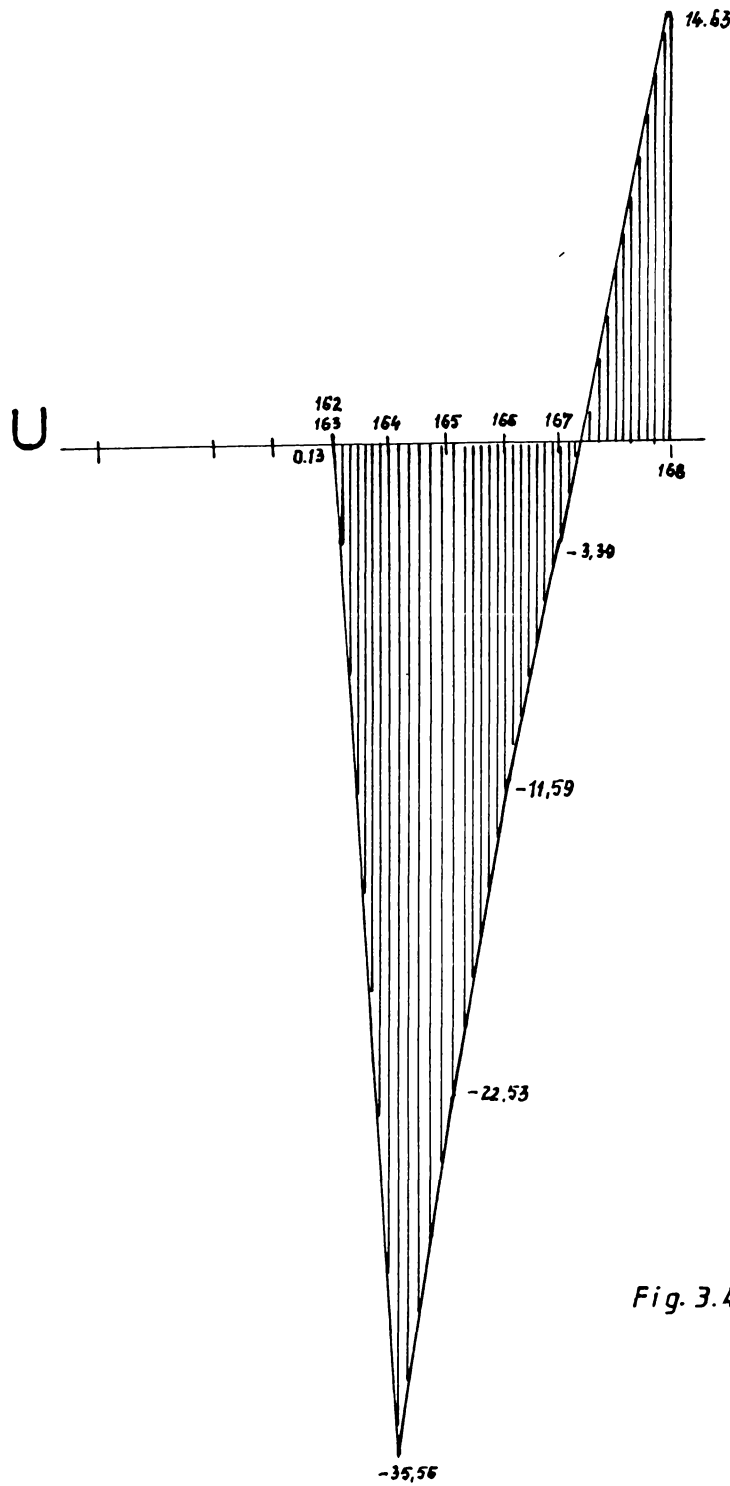


Fig. 3.49.

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$

$\sigma_y$

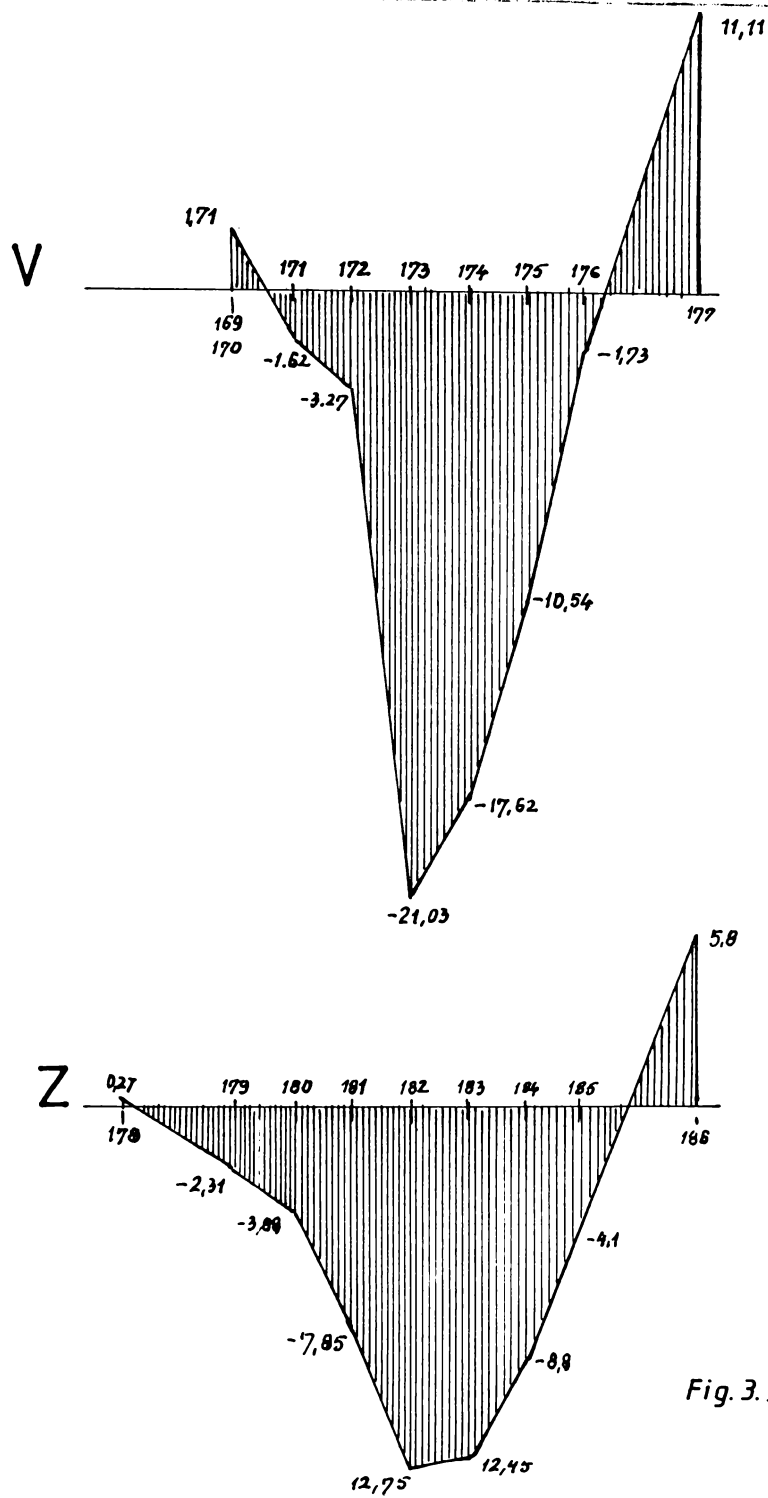


Fig. 3.50.

$10 \text{ da. N/cm}^2 \cong 5 \text{ cm}$

5y

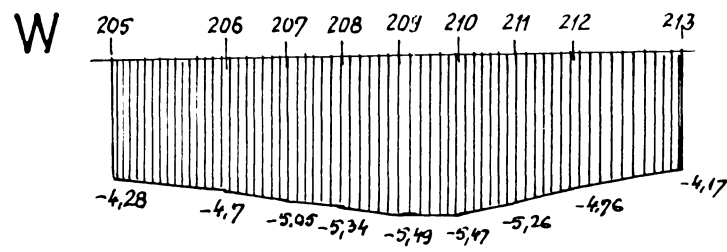
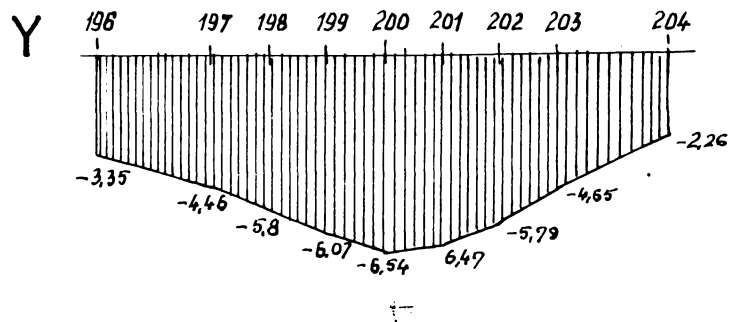
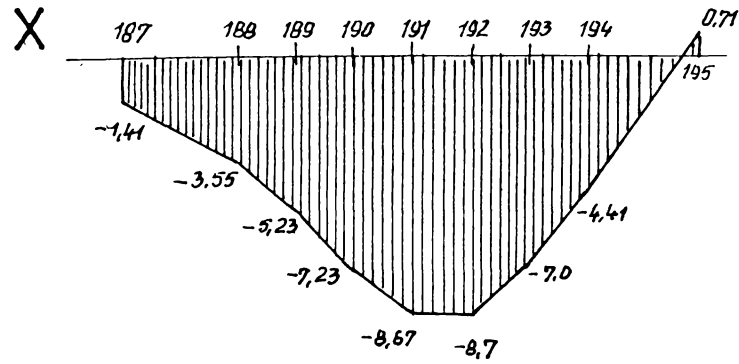


Fig. 3.51.

$\sigma_y$

$10 \text{ da N/cm}^2 \cong 5 \text{ cm}$

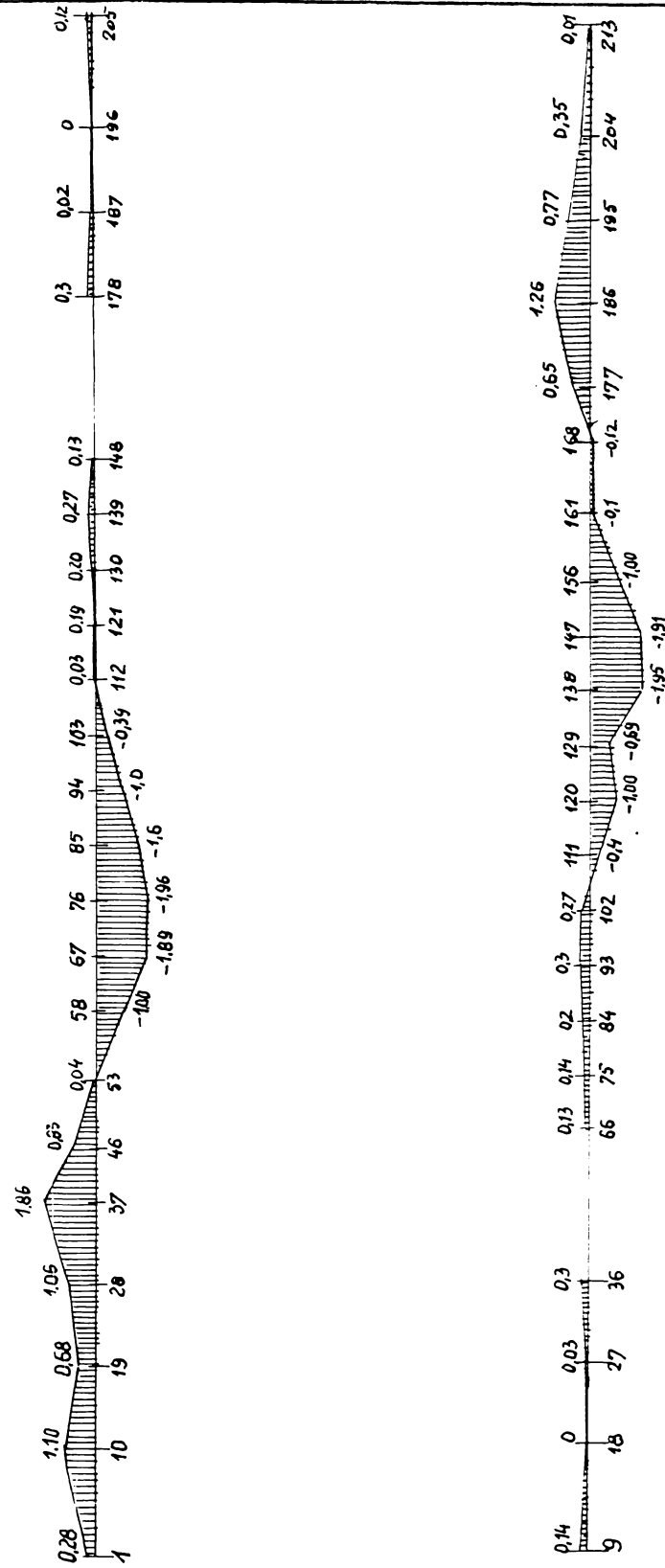


Fig. 3. 52.

$$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$$

$\sigma_{xy}$

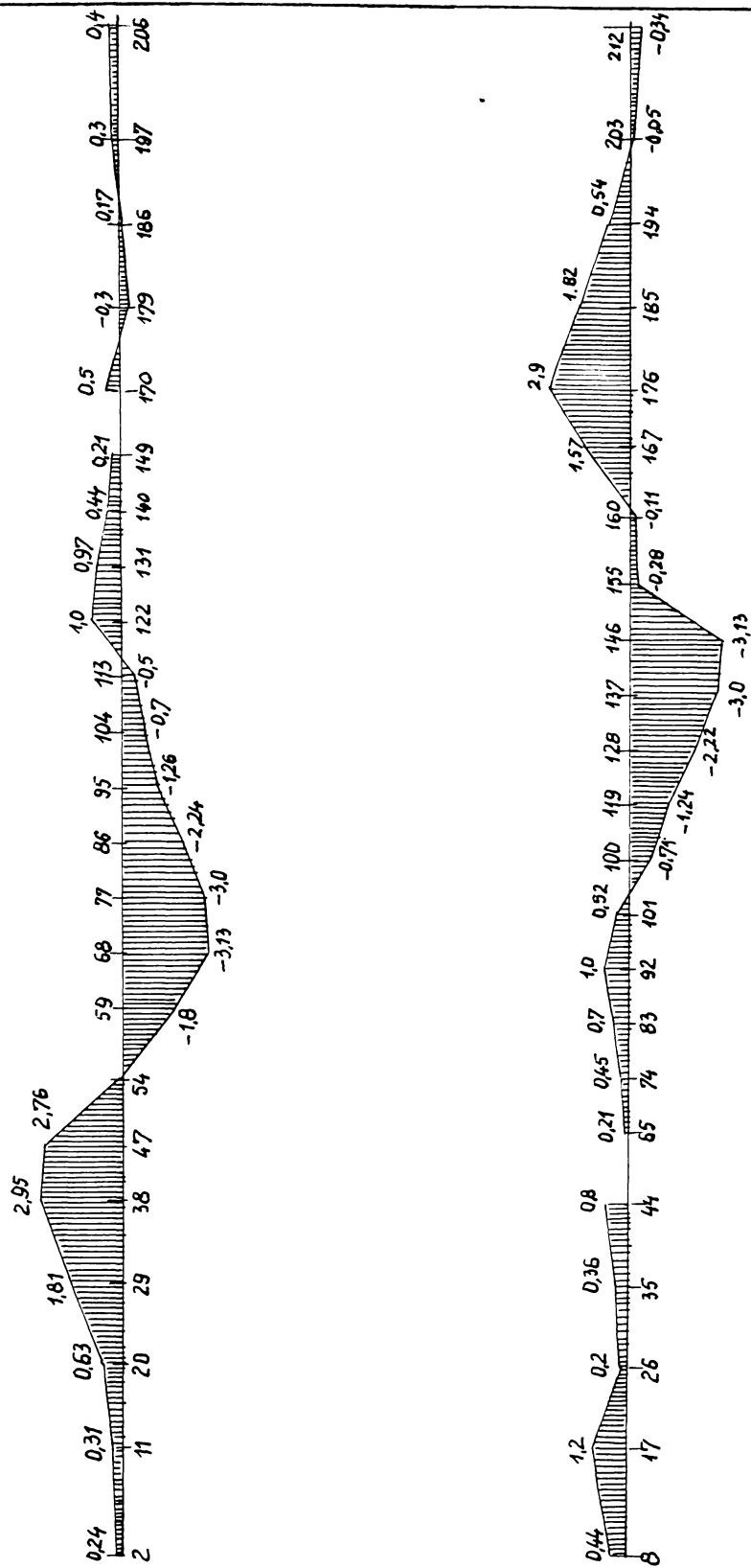
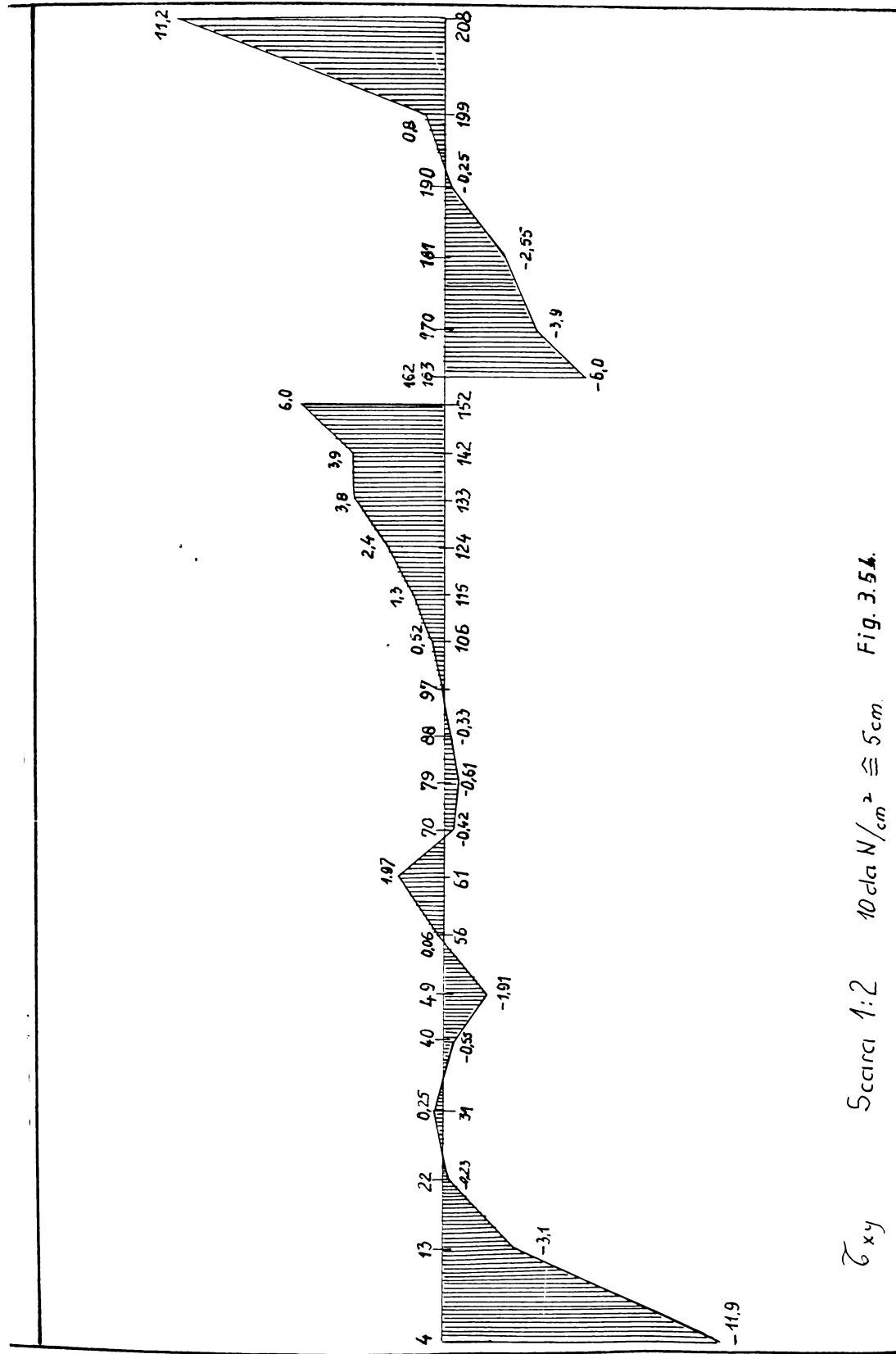


Fig. 53.

$$10 \text{ da N/cm}^2 \cong 5 \text{ cm}$$

$\sigma_{xy}$

Fe



P.C.

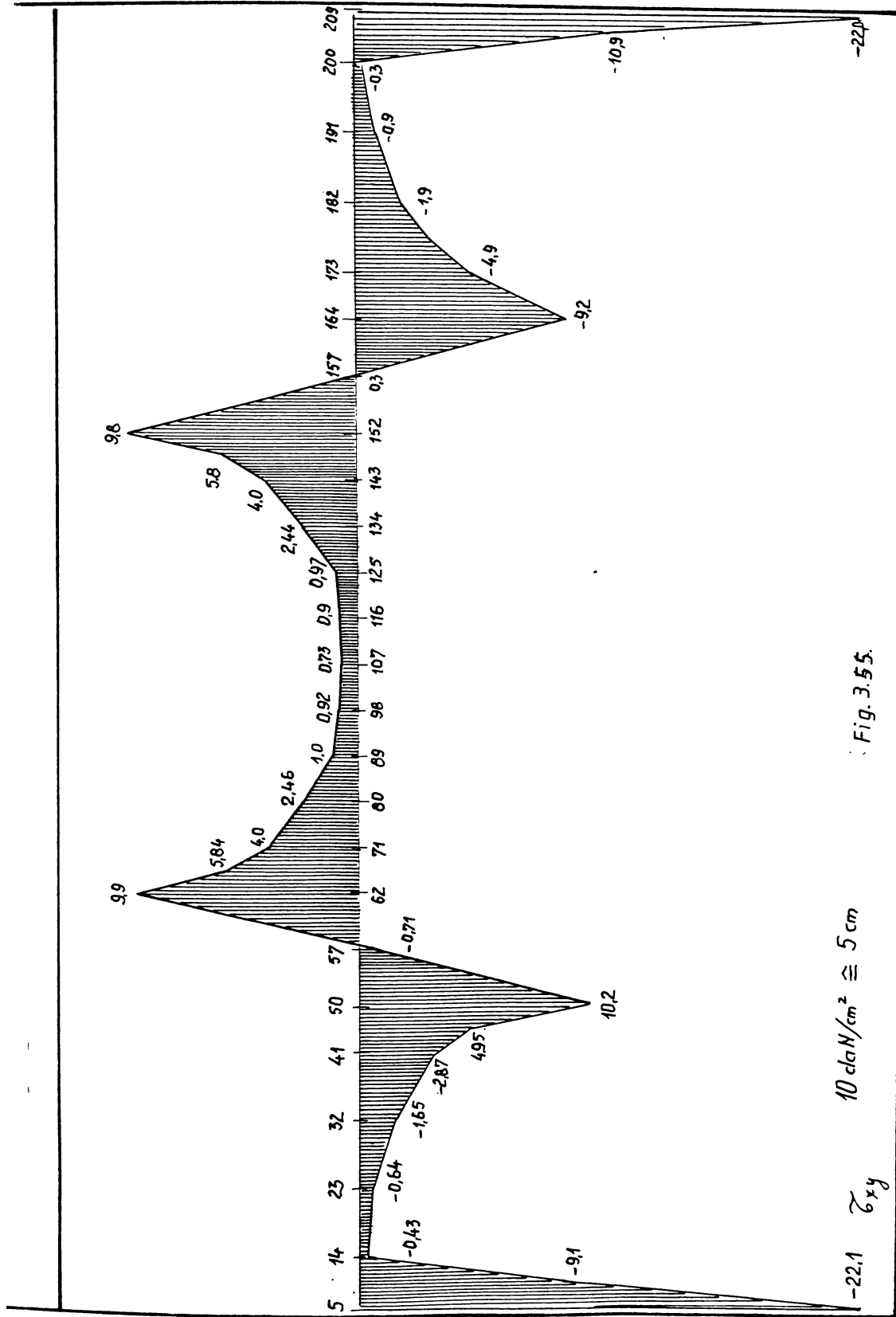


Fig. 3.55.

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$

$\tau_{xy}$





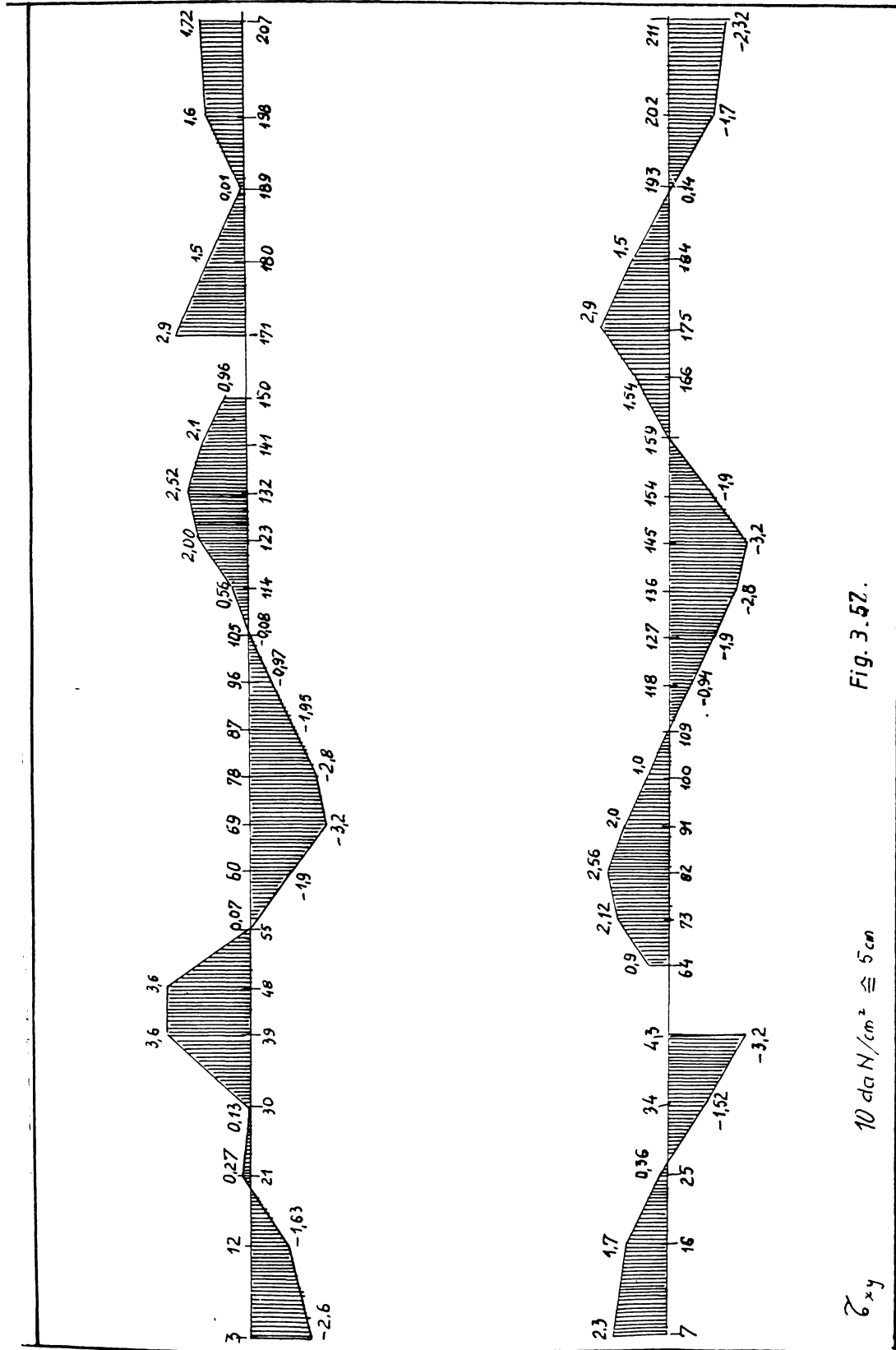


Fig. 3.57.

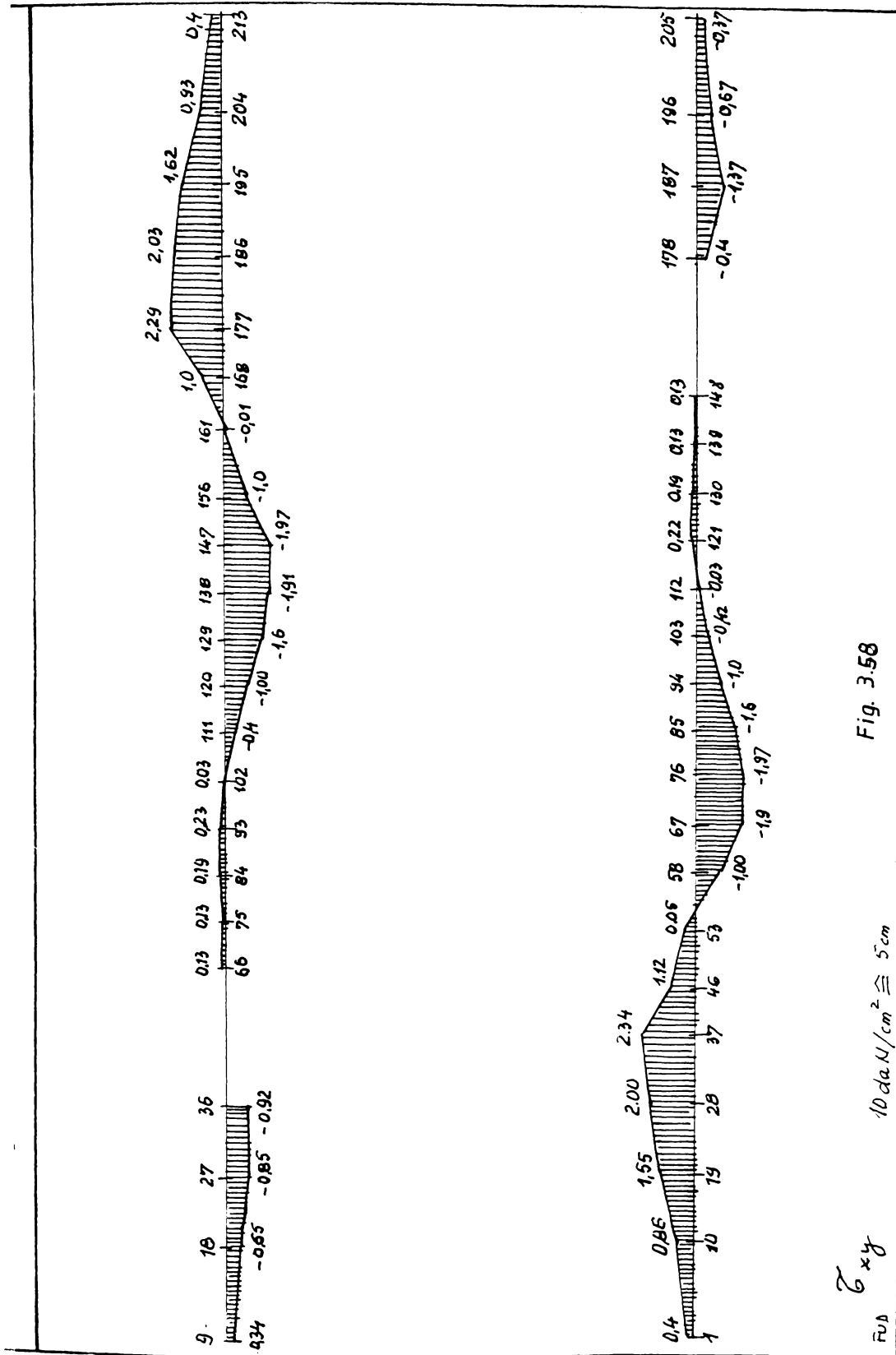


Fig. 3.58

$10 \text{ daN/cm}^2 \cong 5 \text{ cm}$

$\sigma_{xy}$   
 РД

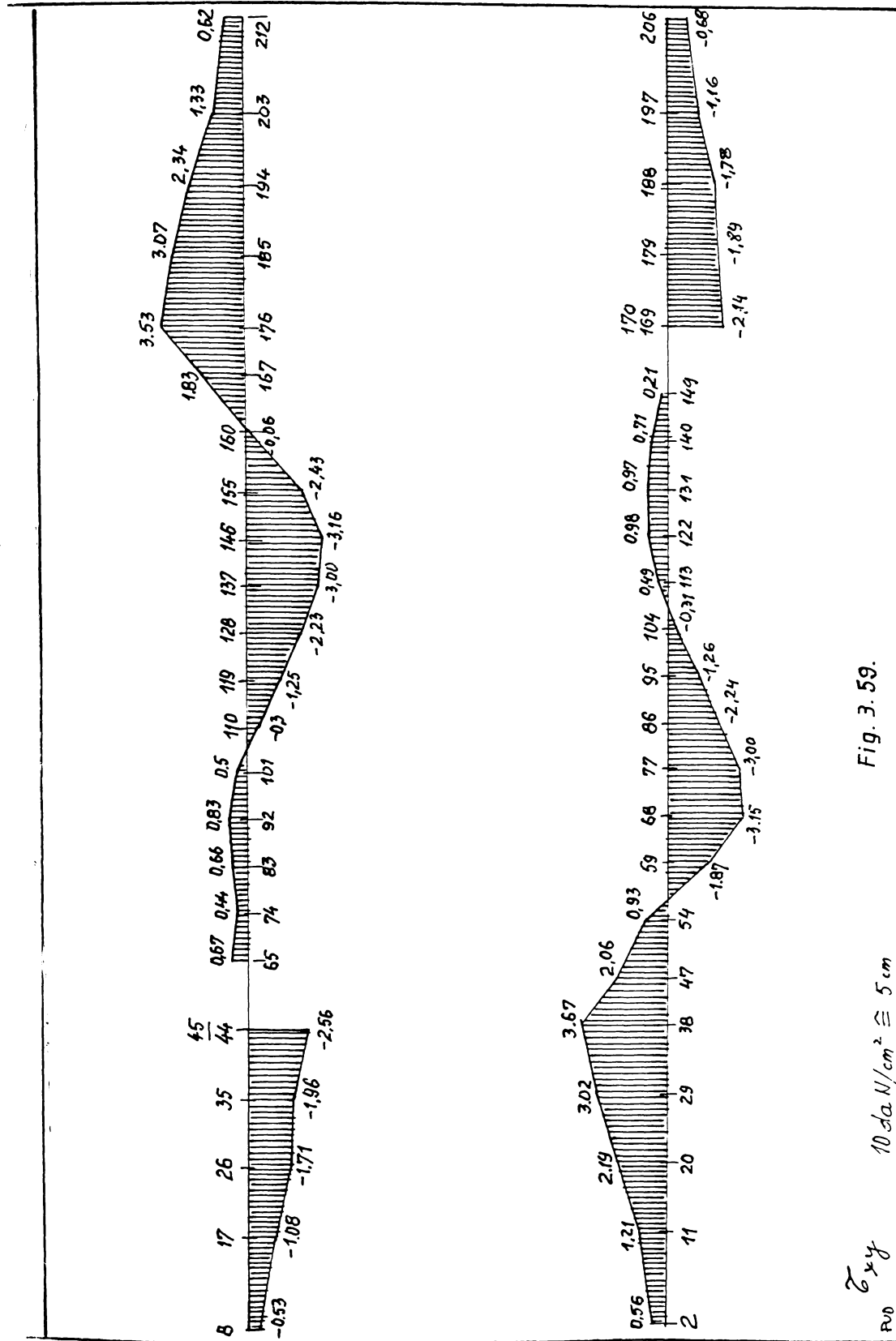
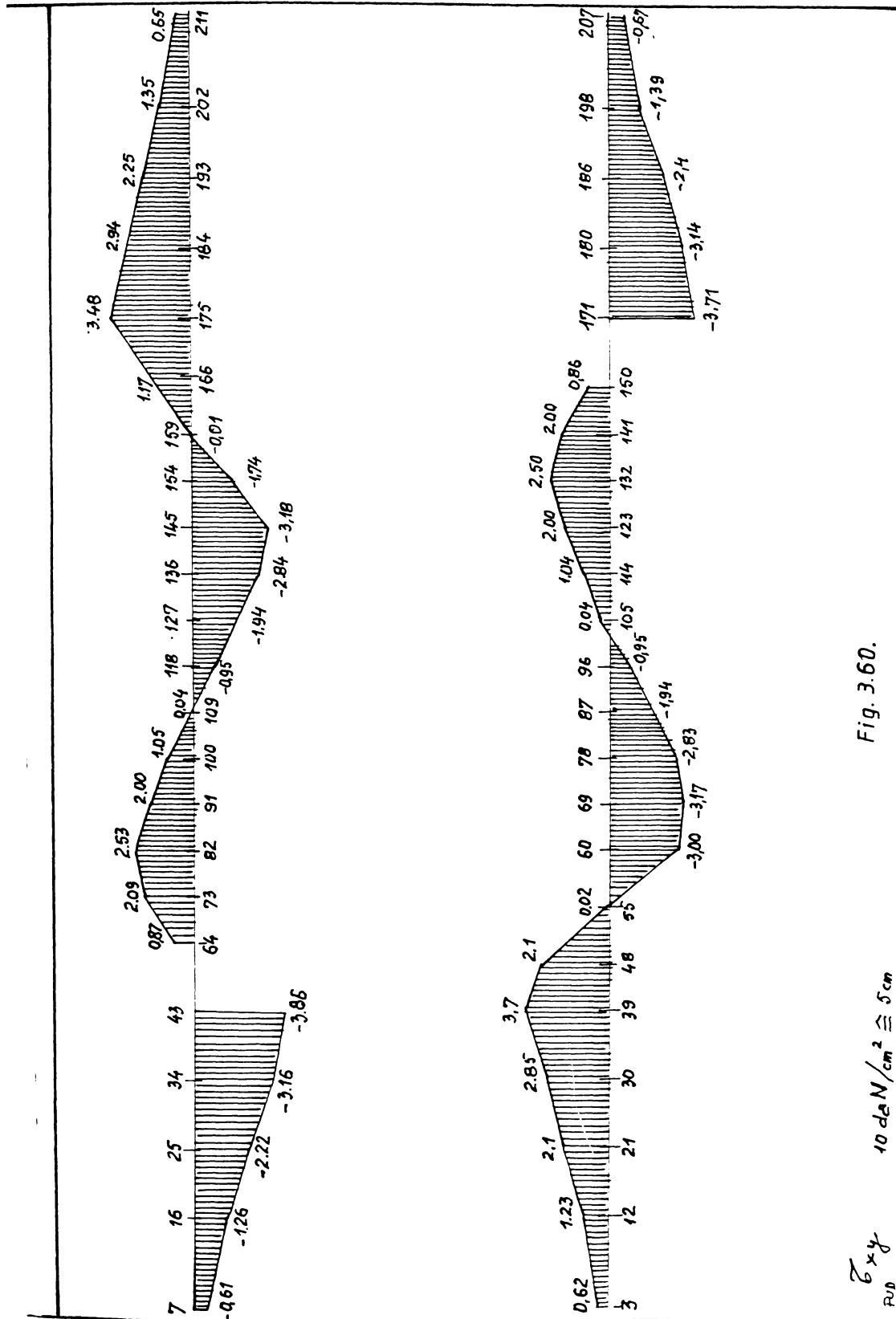
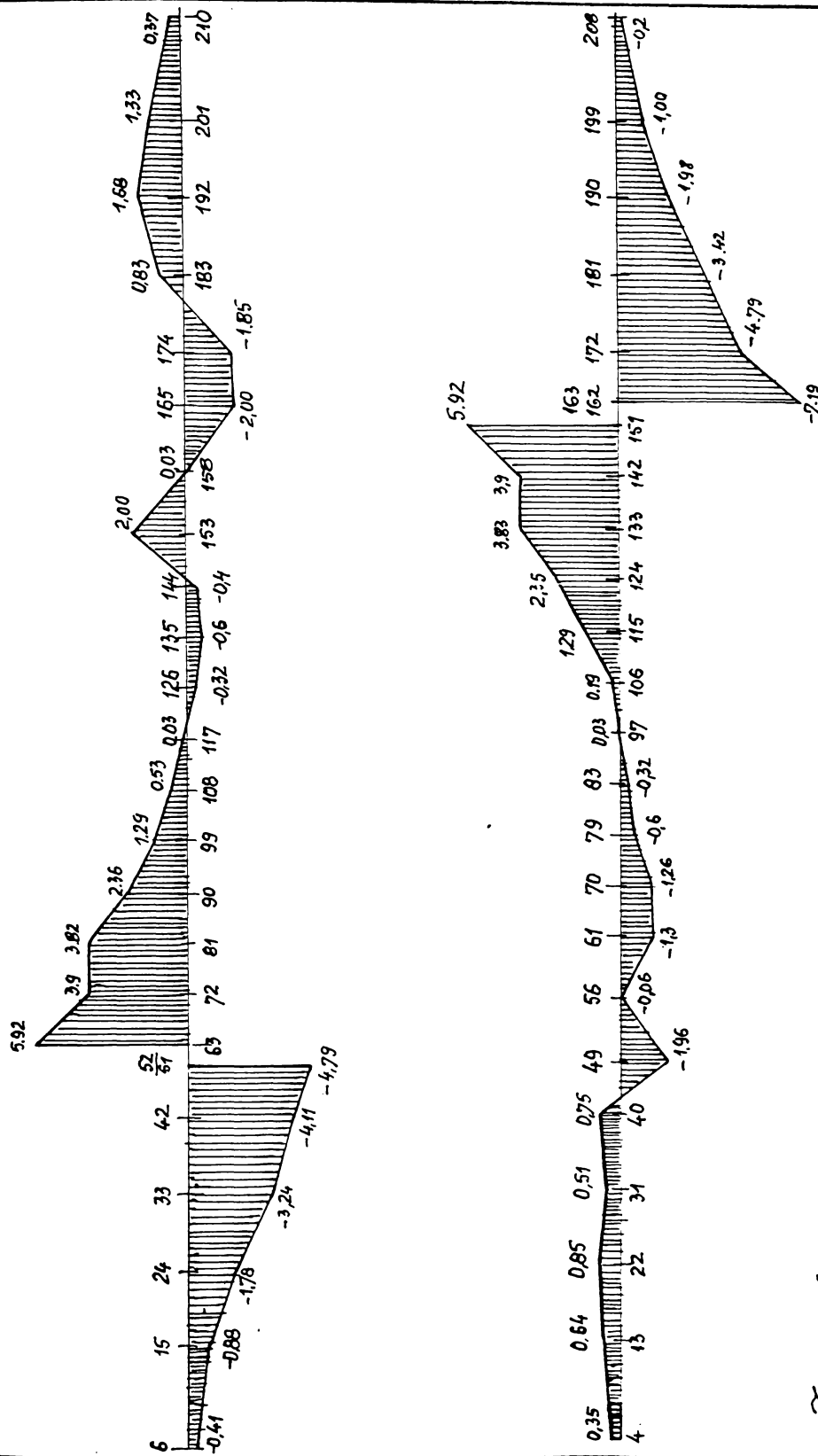


Fig. 3.59.





$\sigma_{xy}$   
 Scale 1:2  
 10 daN/cm<sup>2</sup>  $\cong$  5 cm  
 RJ

Fig. 3.61.

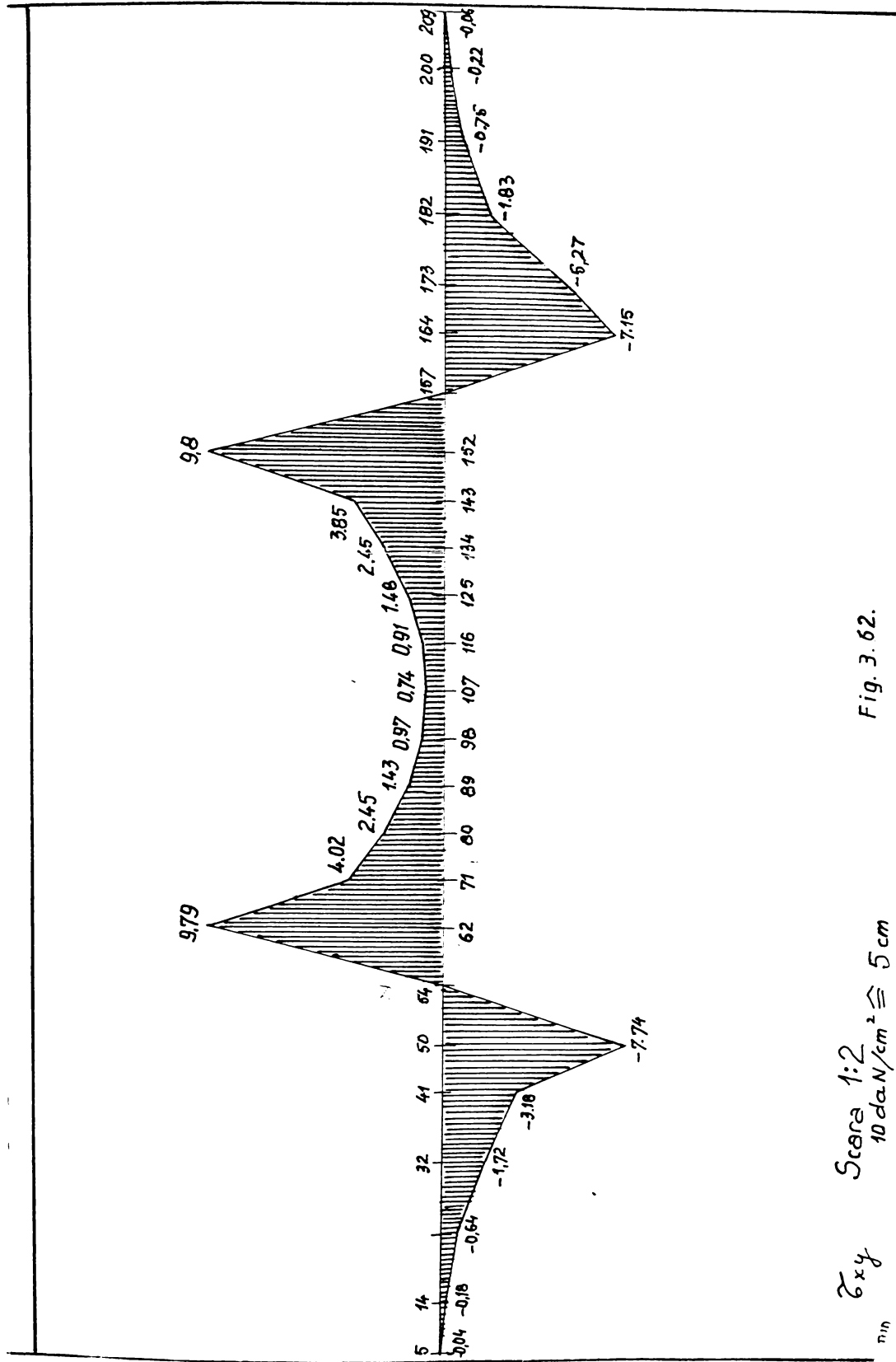


Fig. 3. 62.

3. - Sînt centralizate figurile din tabelul 3.4 reprezentînd diagramele de eforturi, deformatelor, releveelor determinate de programul de calcul BIOGRAF pentru ambele feluri de solicitări (forța concentrată și forța uniform distribuită).

S1  
 Deformata  
 limită  
 elastică  
 (încărcare  
 uniform  
 distribuită)

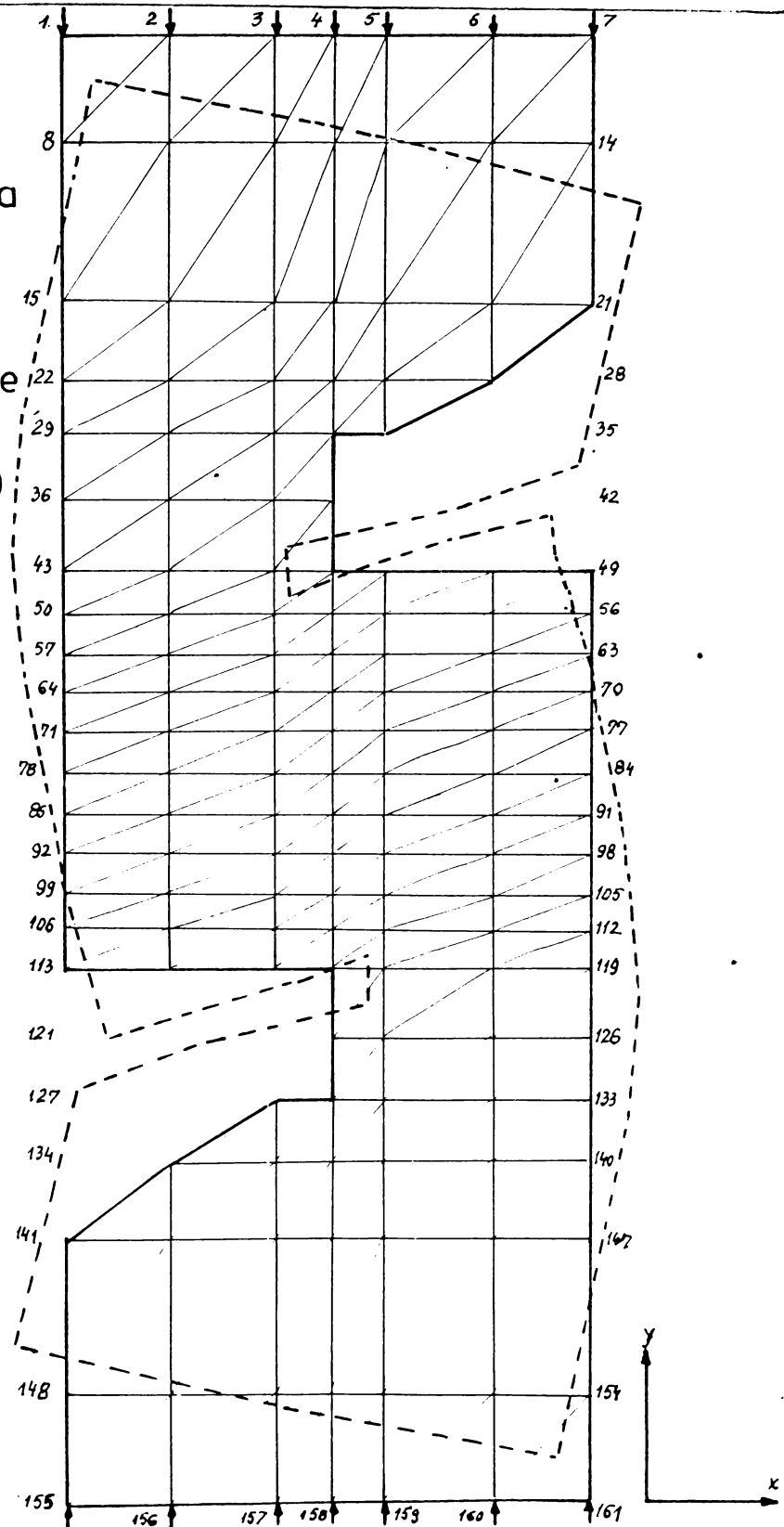
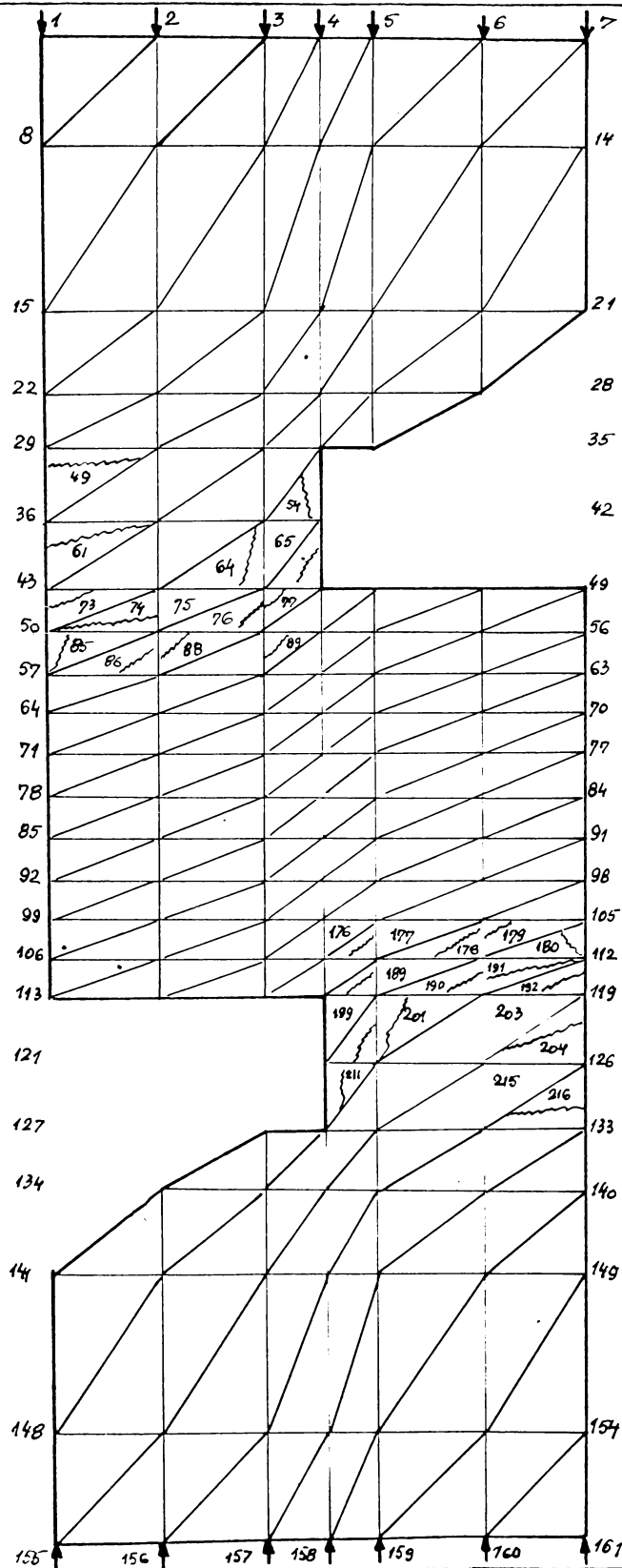


Fig. 3.64.



S1  
Fisuri  
Pasul 2



S1  
Eforturi  
principale  
Pasul 2.

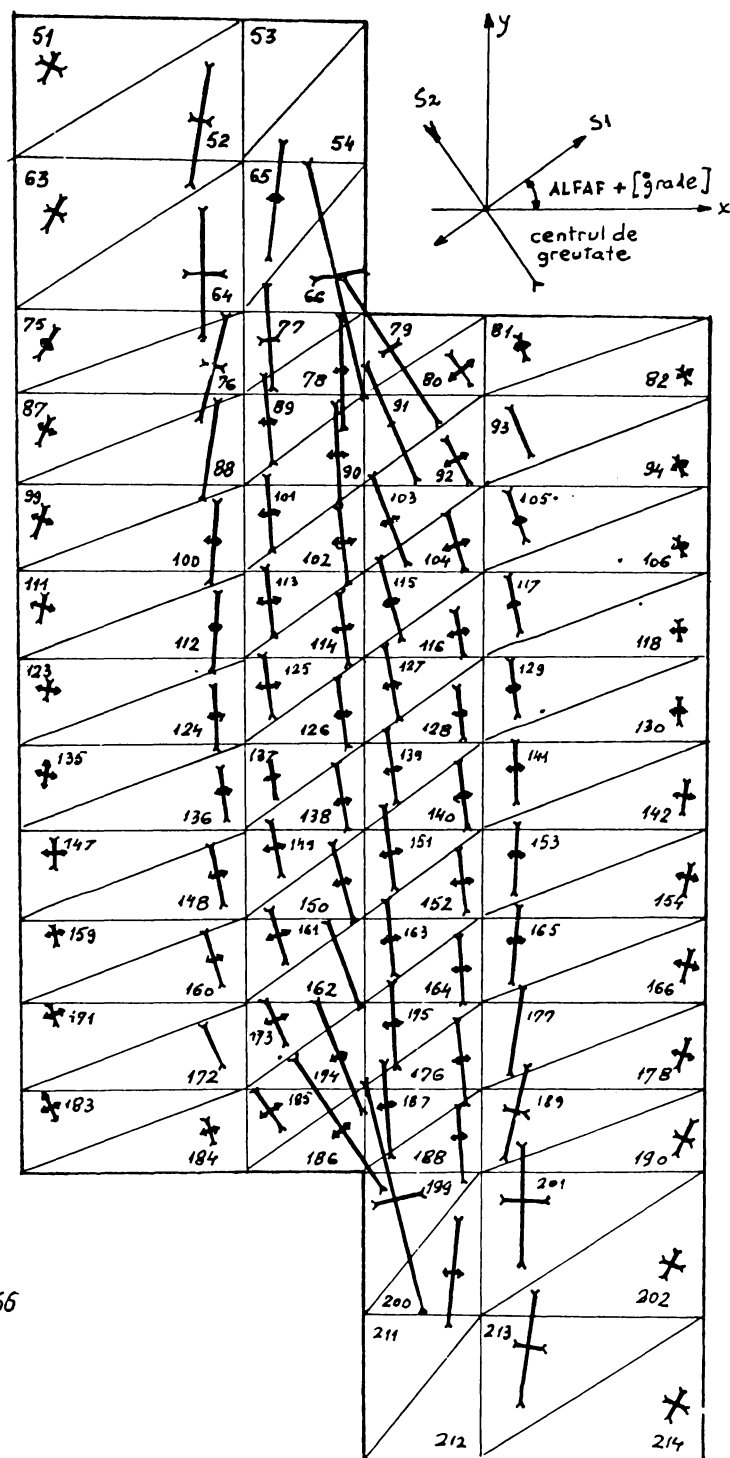
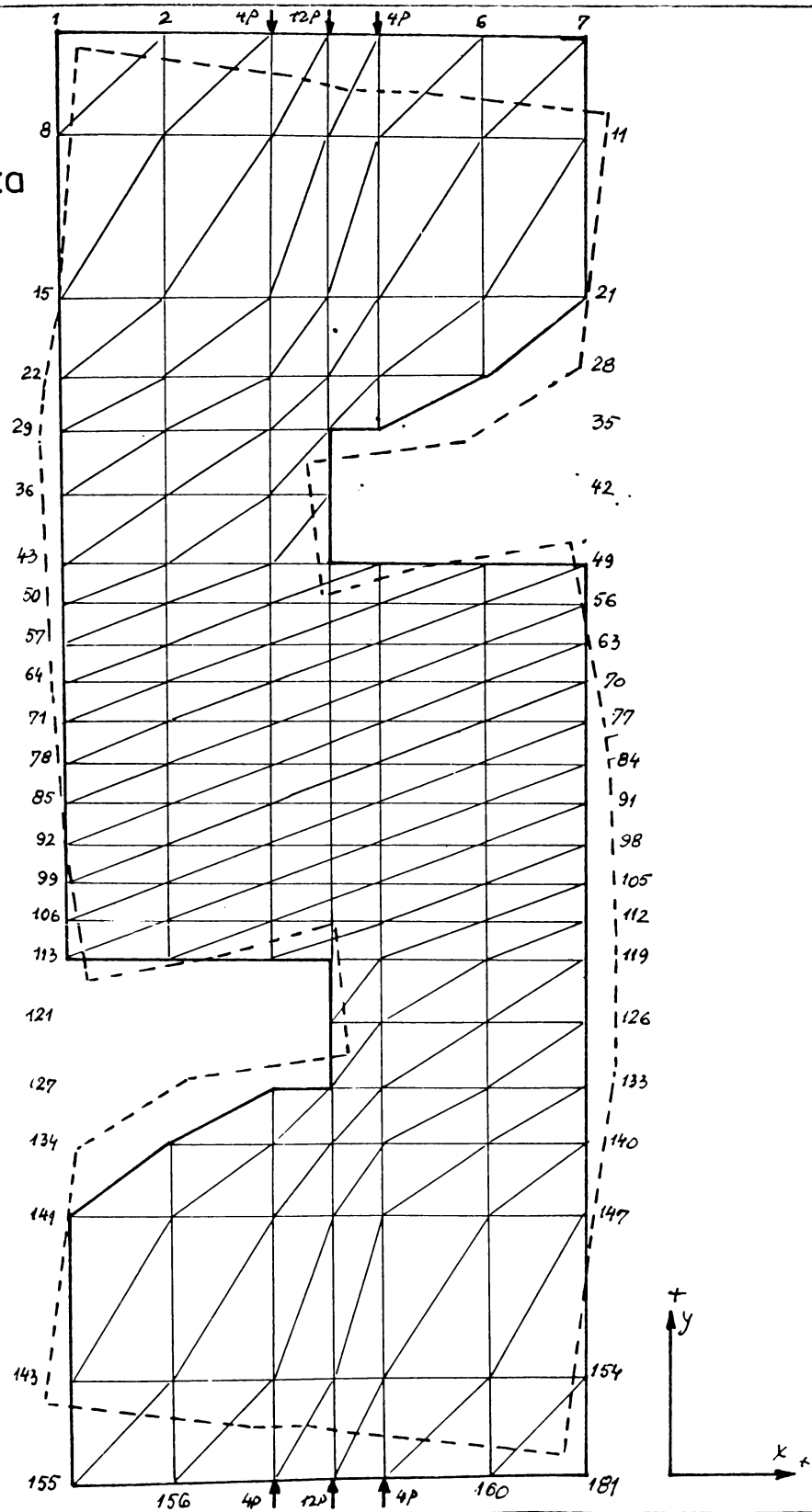


Fig. 3.66

S2

Deformata  
limită  
elastică

(forță  
concentrată)



S2

Fisuri

Pasul 2.

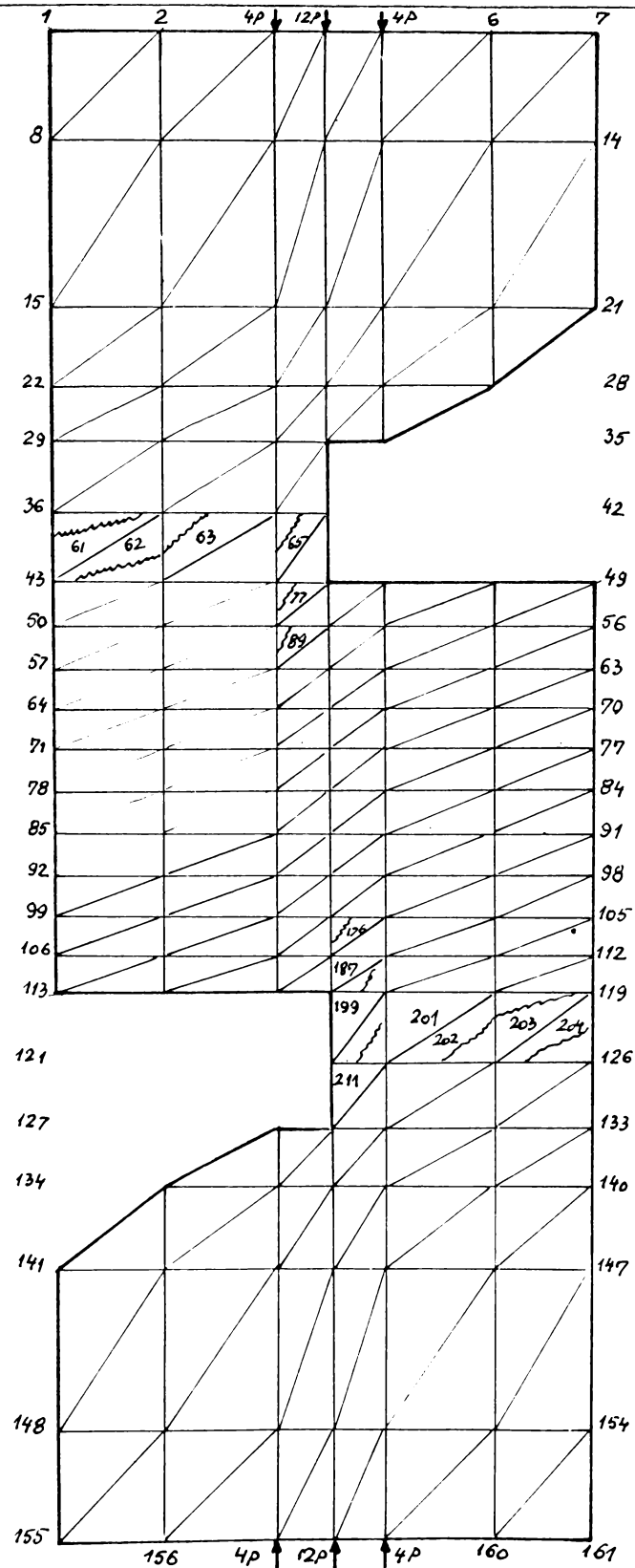


Fig. 3.68.

S2  
Eforturi  
principale  
Pasul 2

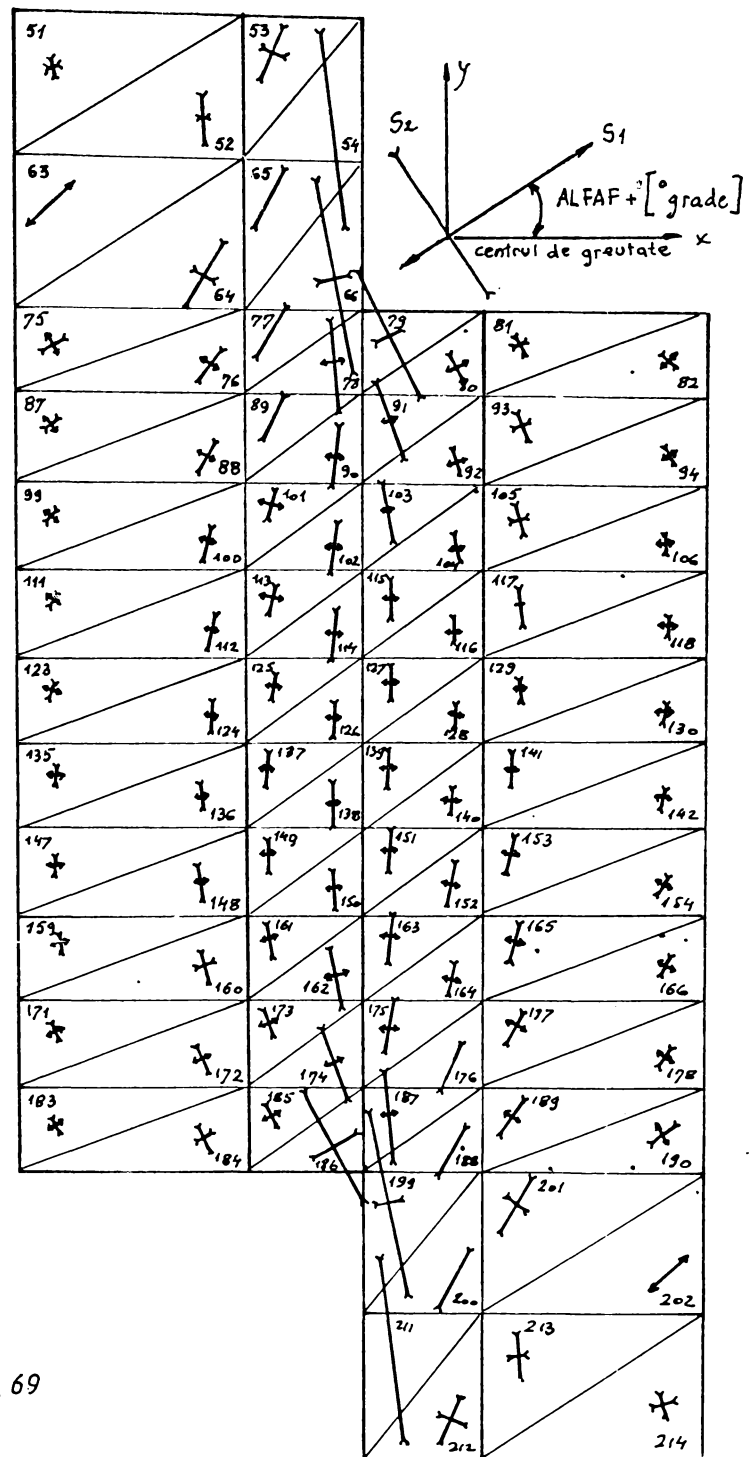
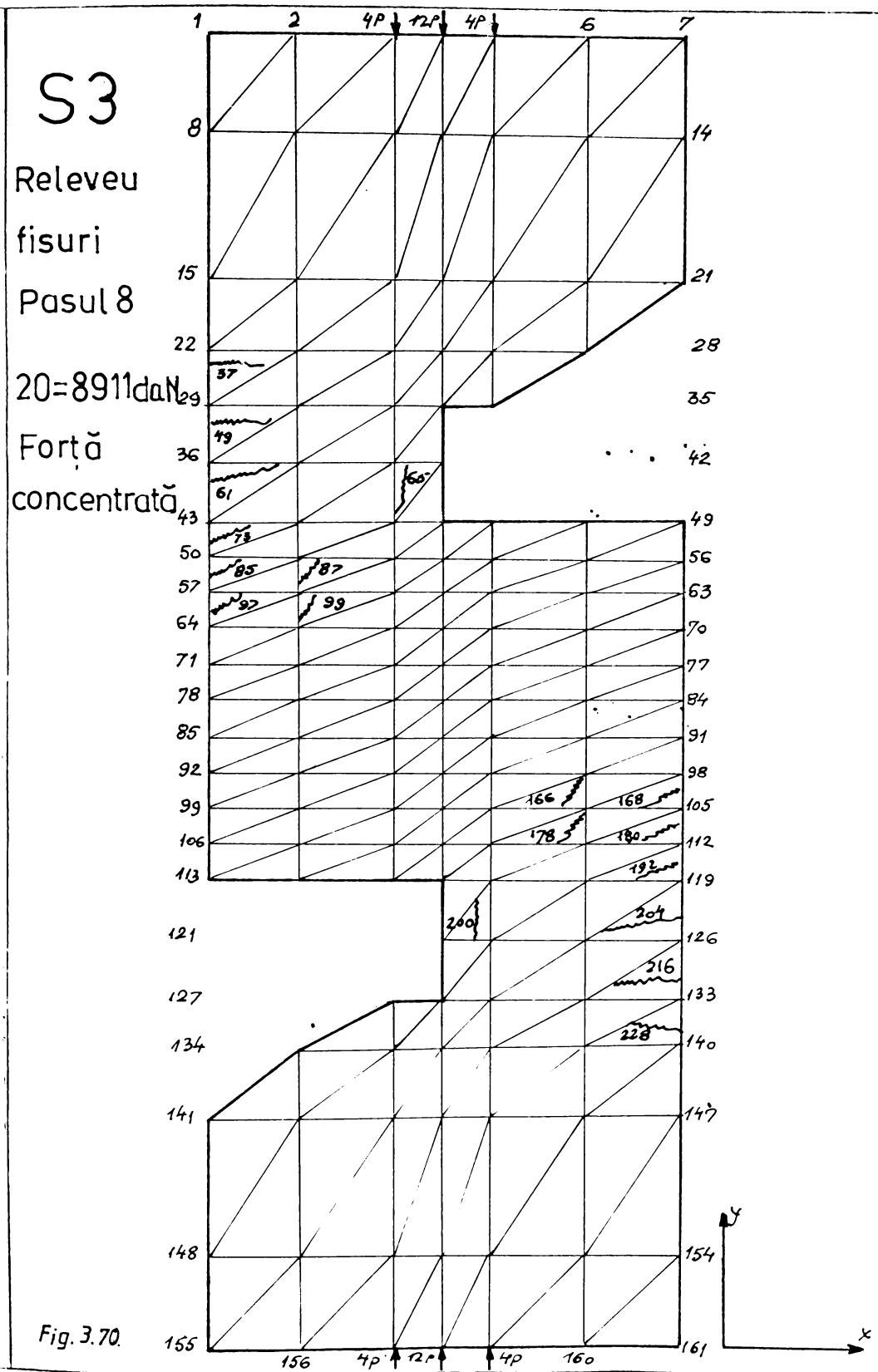


Fig. 3.69



# S 3

Eforturi  
principale  
Pasul 2  
20P =  
7911daN  
Forță  
concentrată

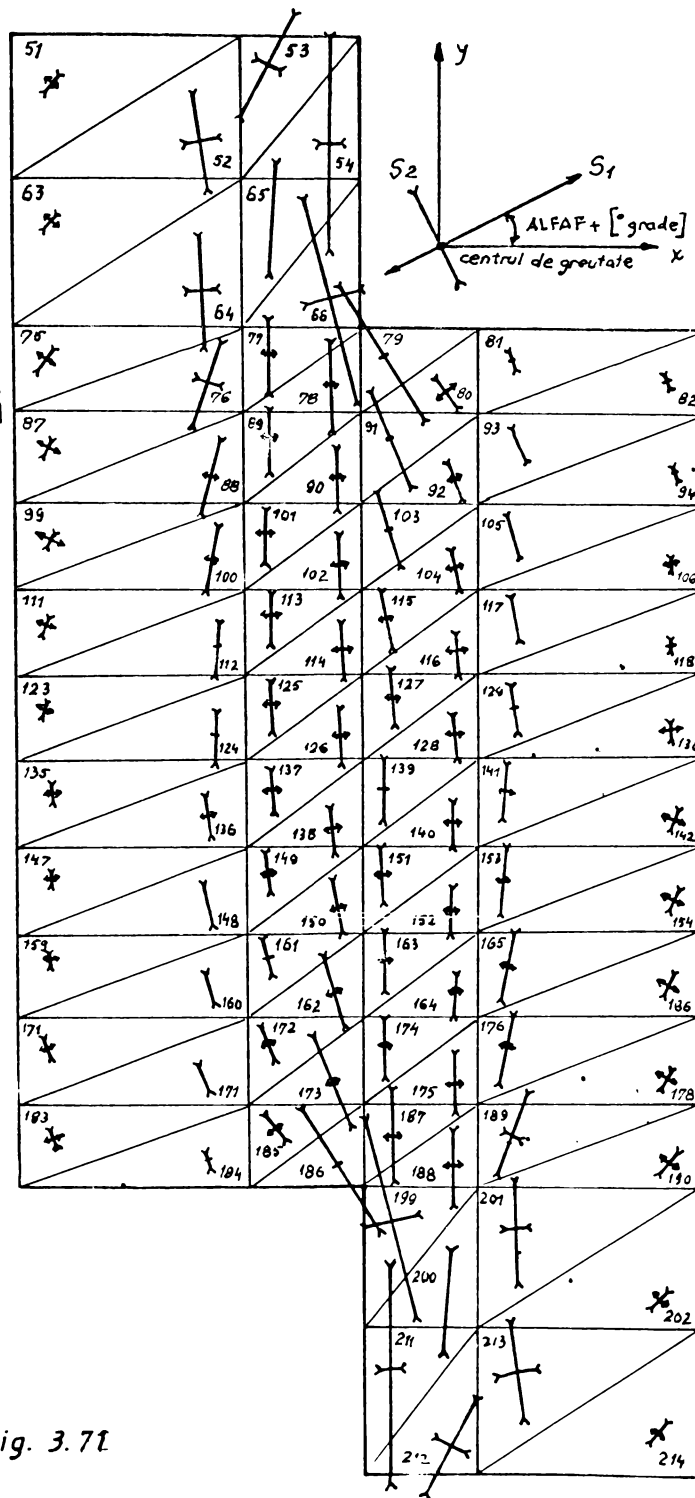


Fig. 3.71

# S3

Eforturi  
principale  
Pasul 8  
20 P =  
8911 daN  
Fortă  
concentrată

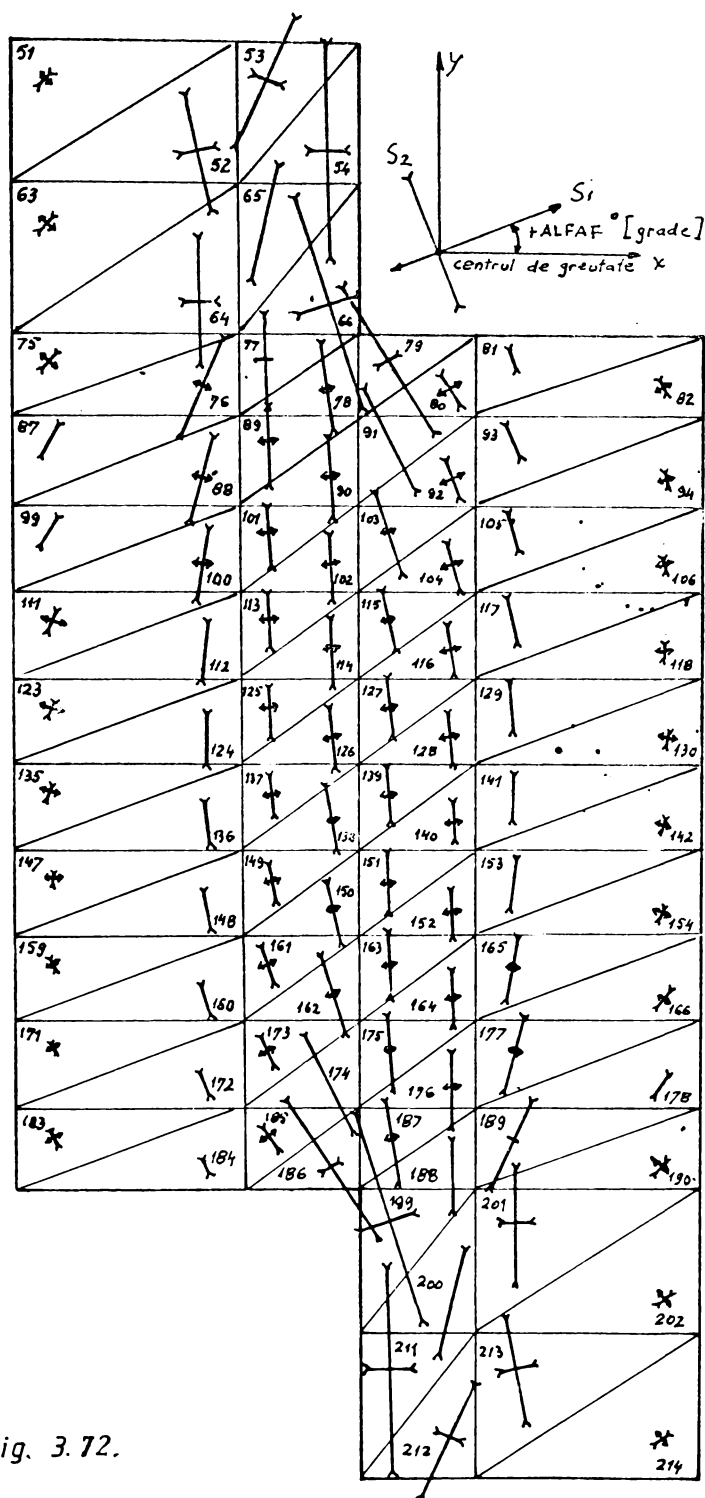


Fig. 3.72.



S 3  
 Fisuri  
 Pasul 9  
 20P=9744daN

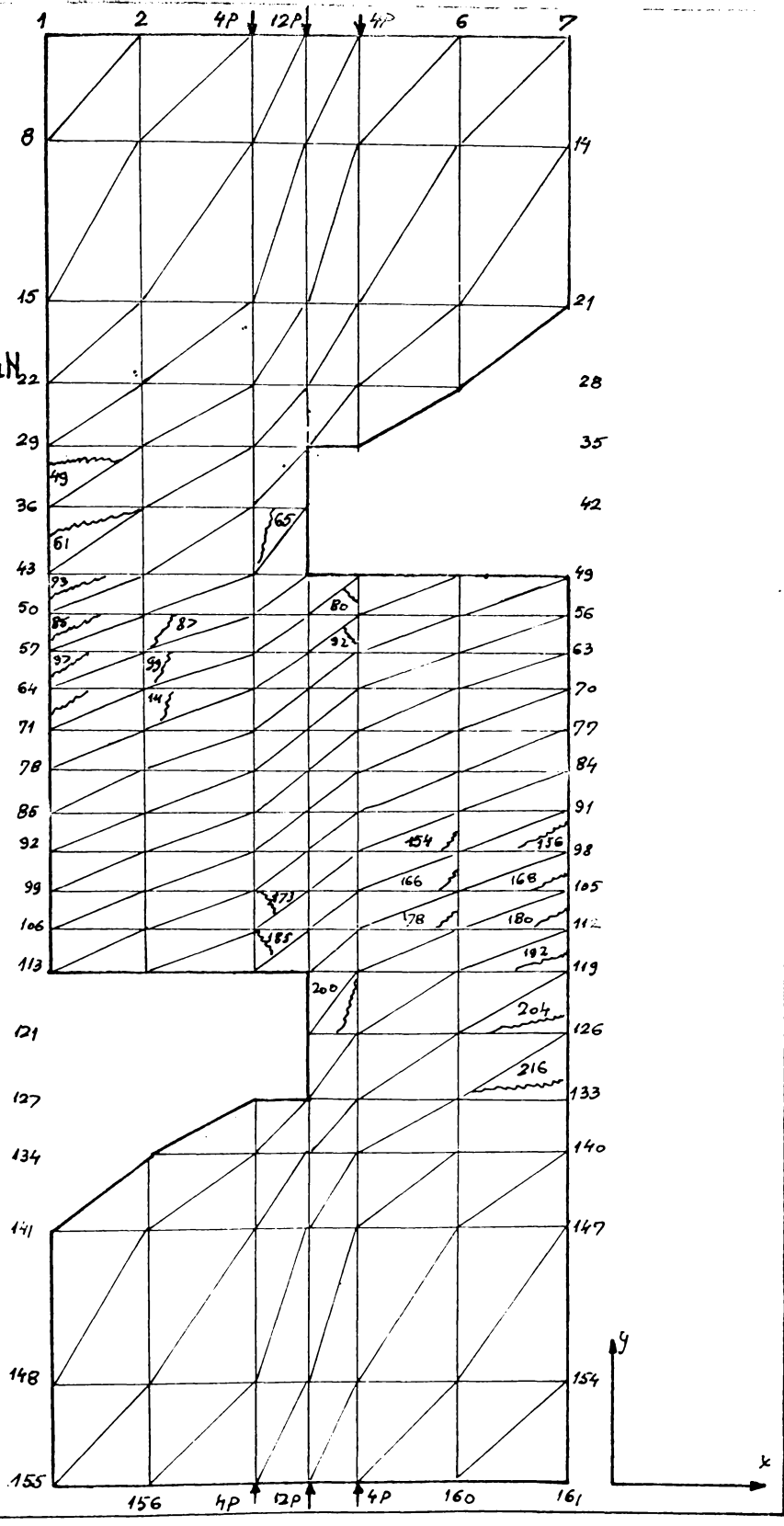


Fig. 3. 23.

# S3

Eforturi  
principale  
Pasul 9  
20 P =  
9744 daN  
Fortă  
concentrată.

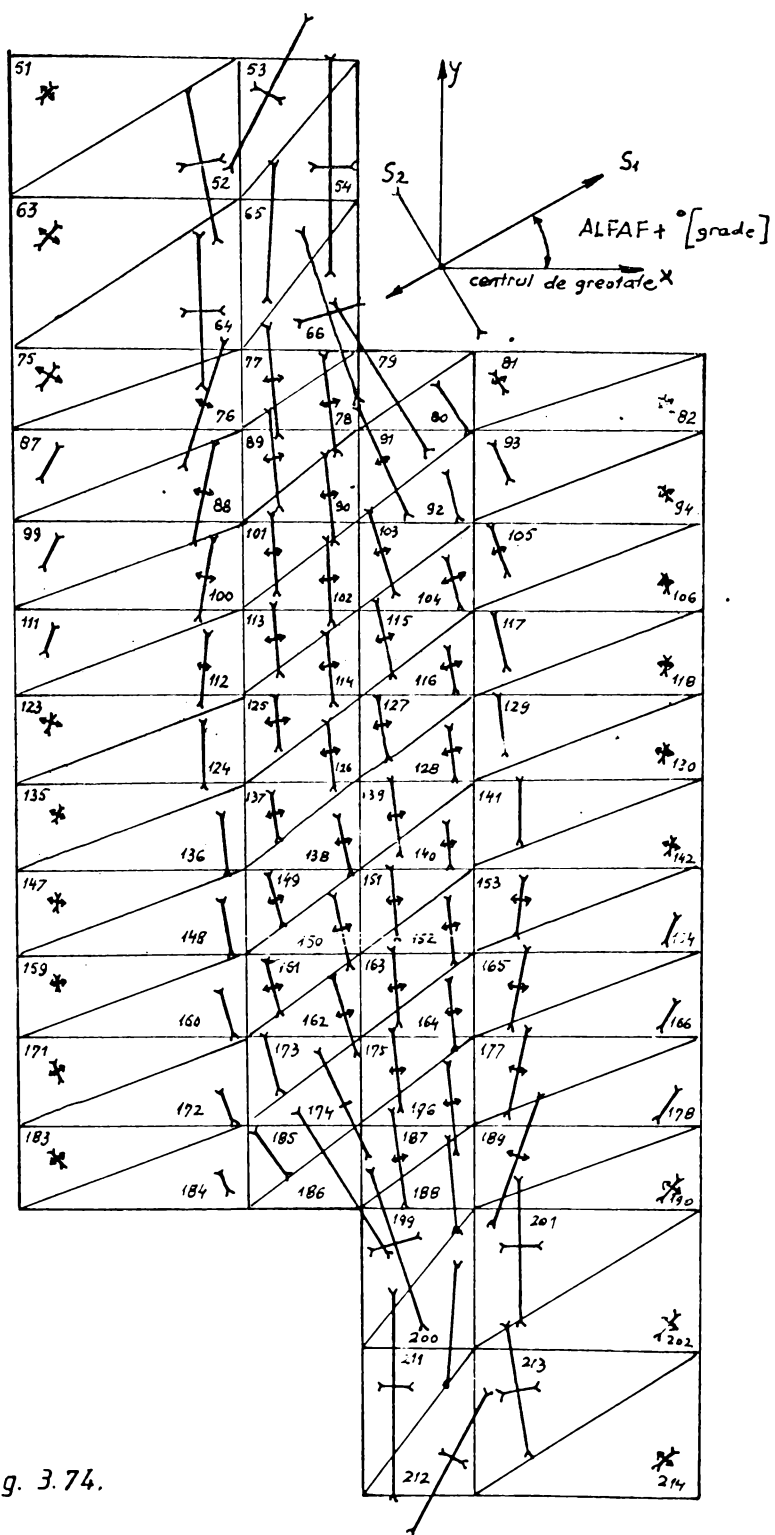


Fig. 3.74.

S4  
 Releveu  
 fisurij  
 20P=9750da N

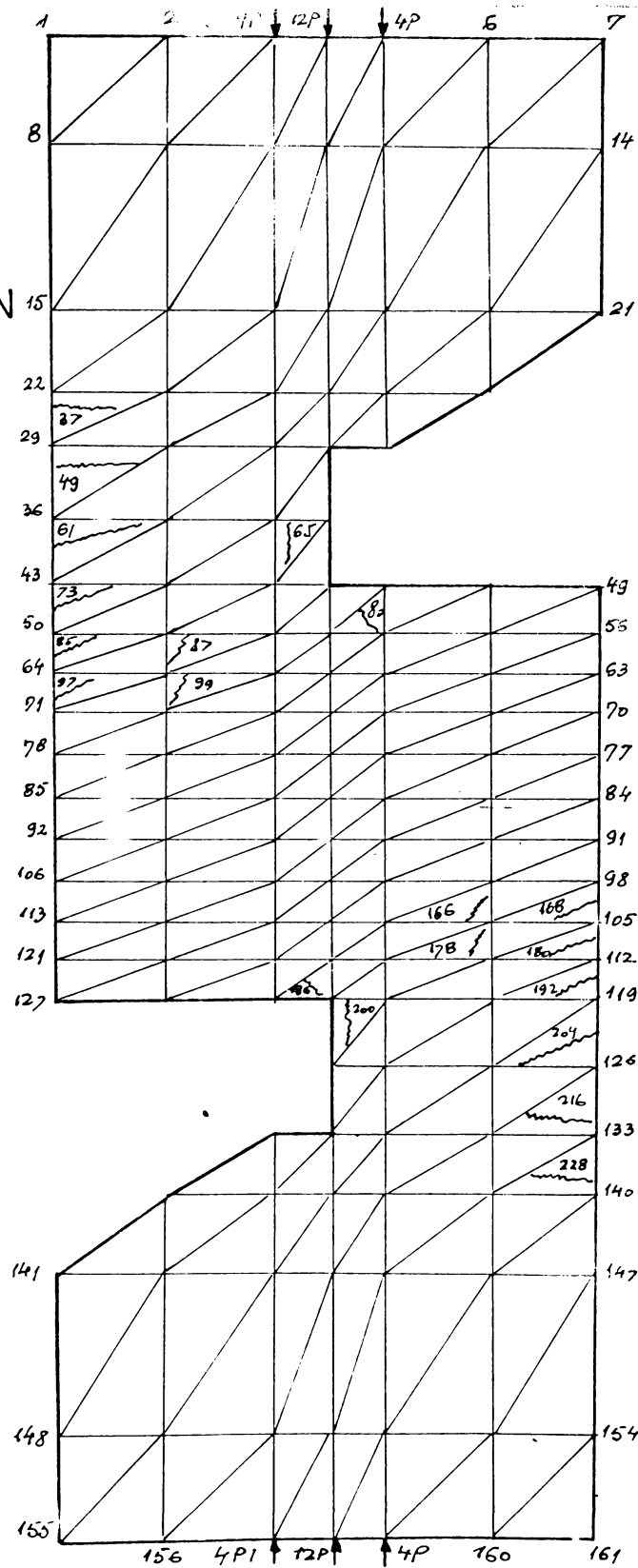


Fig. 3.75.

# S4

Eforturi  
principale  
Pasul 3  
20P =  
9750 daN.

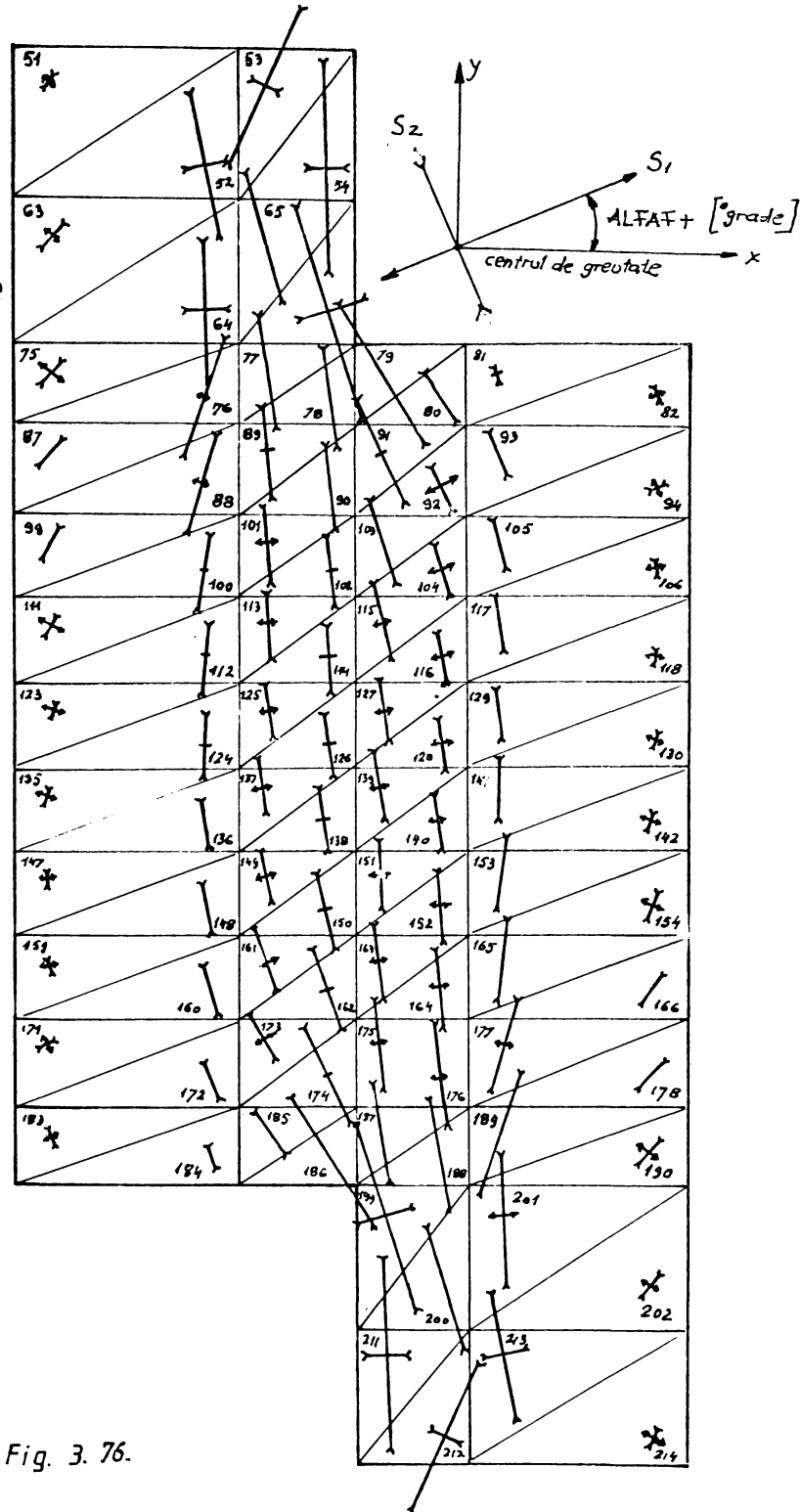


Fig. 3. 76.

C. - Este prezentat detaliile constructive a planului cofraj prezentând următoarele:

- Secțiunea transversală, longitudinală prin cofraj;
- Modul de prindere al pereților cofrajului; (vedere C-C)
- O vedere de sus a detaliului poziției F4 cu secțiunile respective;
- Prinderea poziției F4 de pereții laterali ai cofrajului (vedere D-D);
- Prezentarea poziției F3, partea mobilă a cofrajului metalic și modul de fixare de peretele transversal al cofrajului.

Secțiunea A-A

Scara 1:5

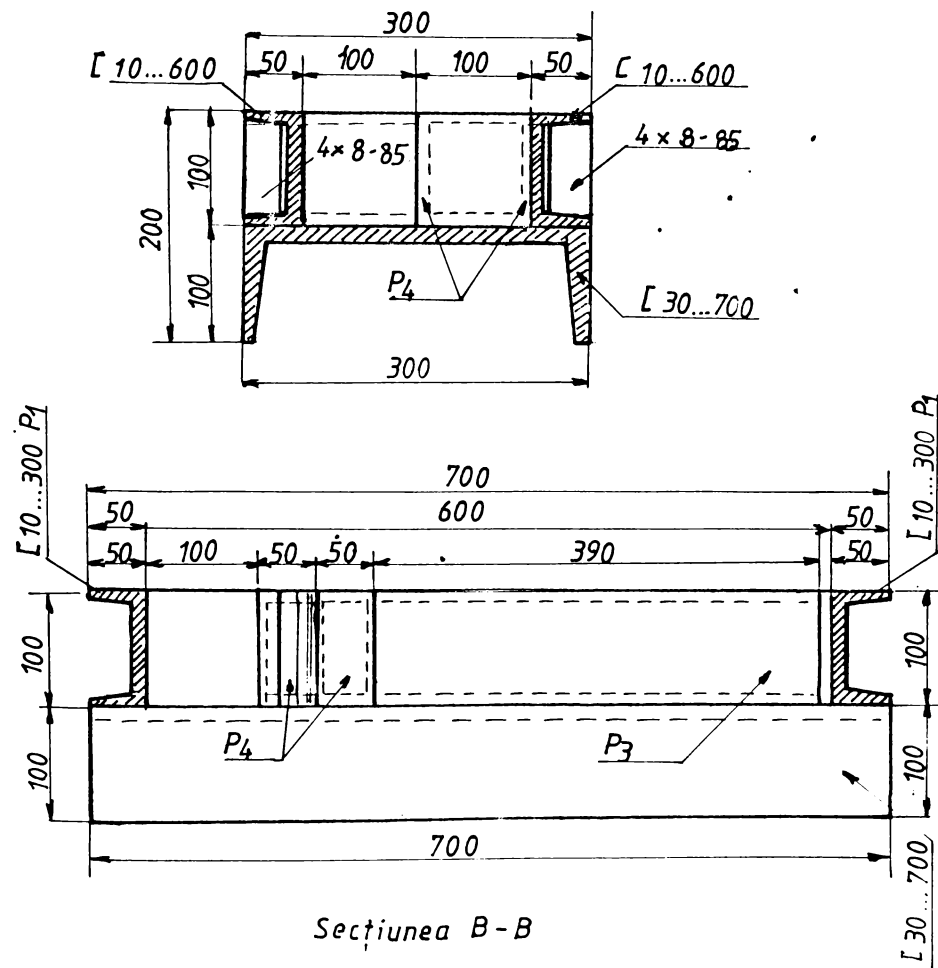
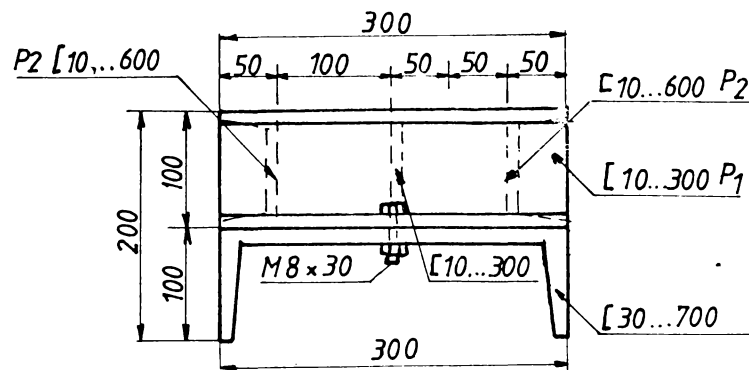
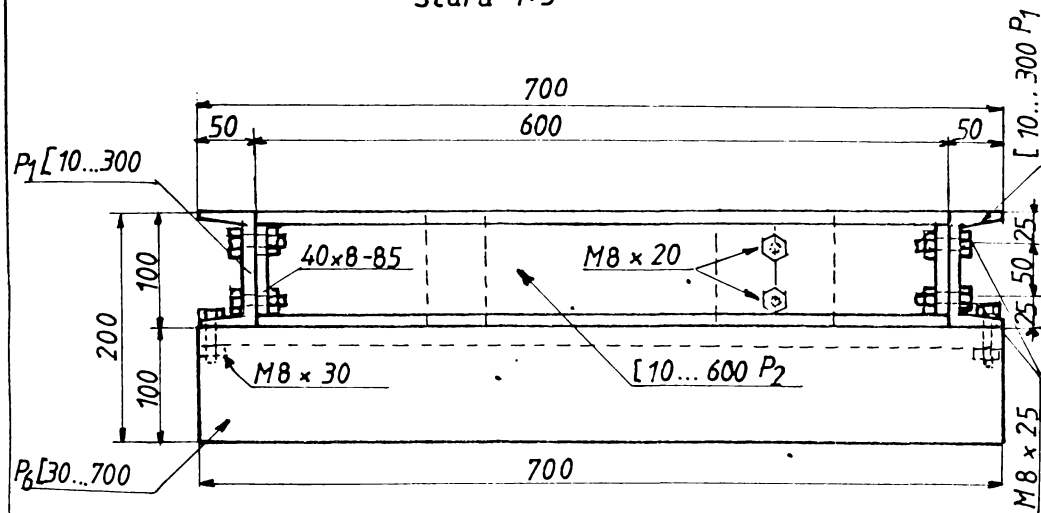


Fig. 4.

Vederea C-C  
Scara 1:5

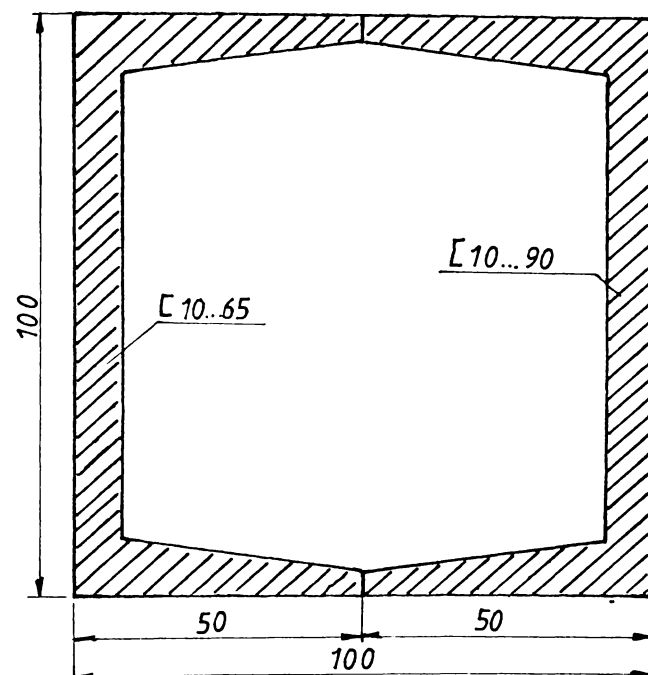


Vederea D-D

Fig. 4.

Secțiunea E E poziția P<sub>4</sub>

Scara 1:1



Secțiunea F F poziția P<sub>4</sub>

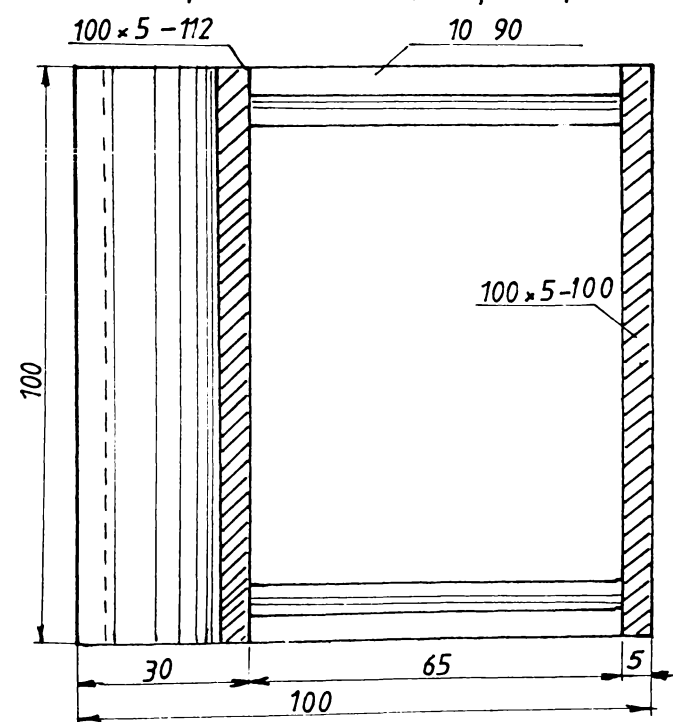


Fig.4.



Vedere de sus detaliu A - poziția P<sub>4</sub>

Scara 1:1

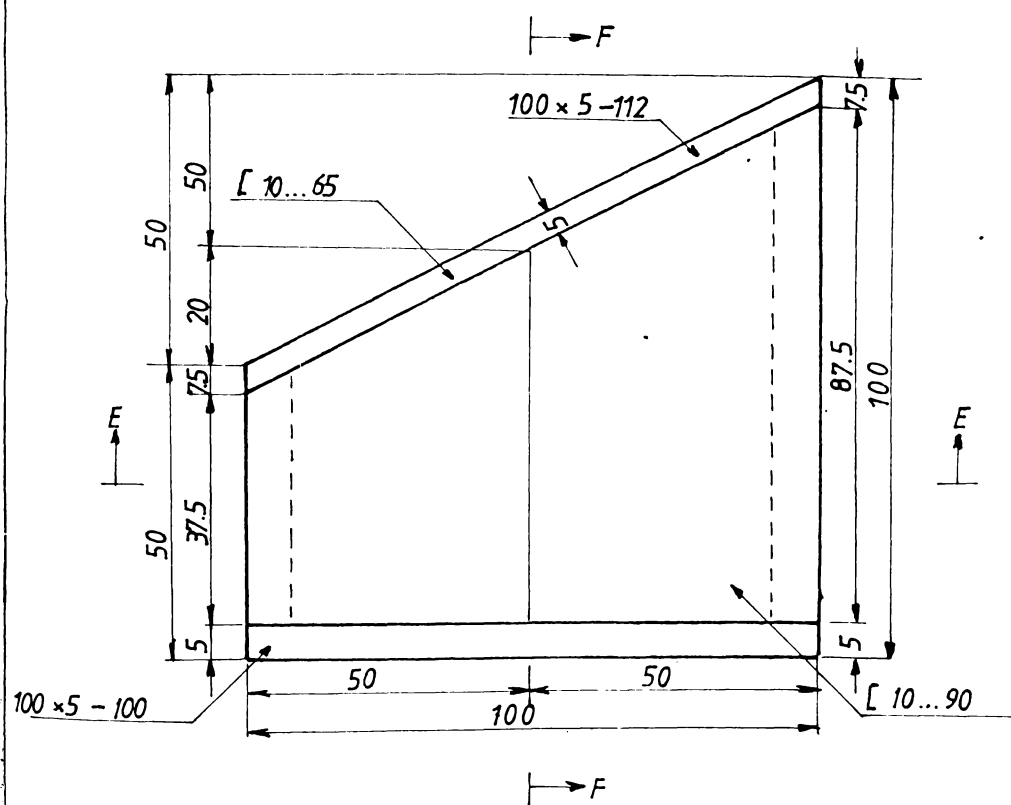


Fig. 4.

Poziția P3

Vedere de sus

Secțiunea G-G

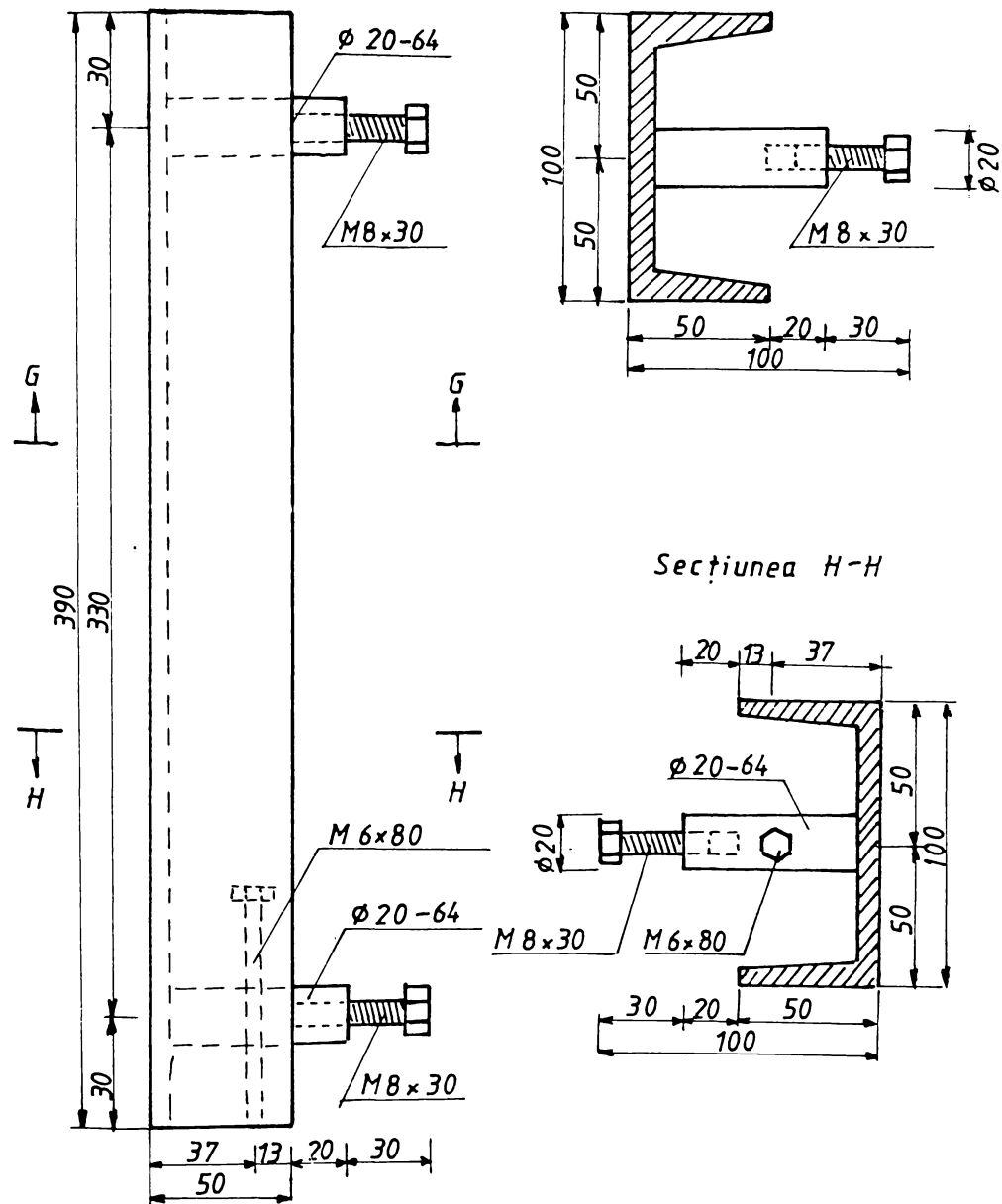
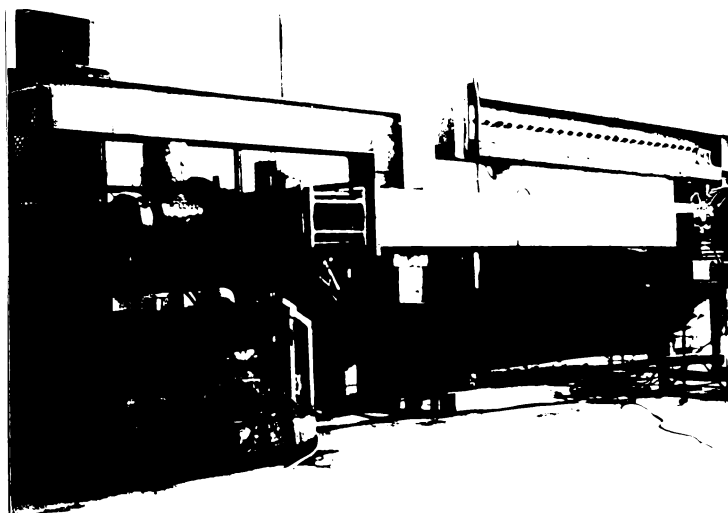
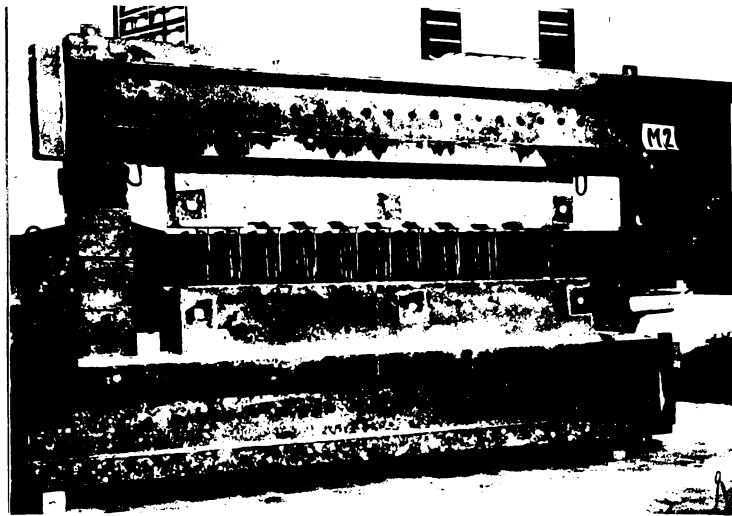
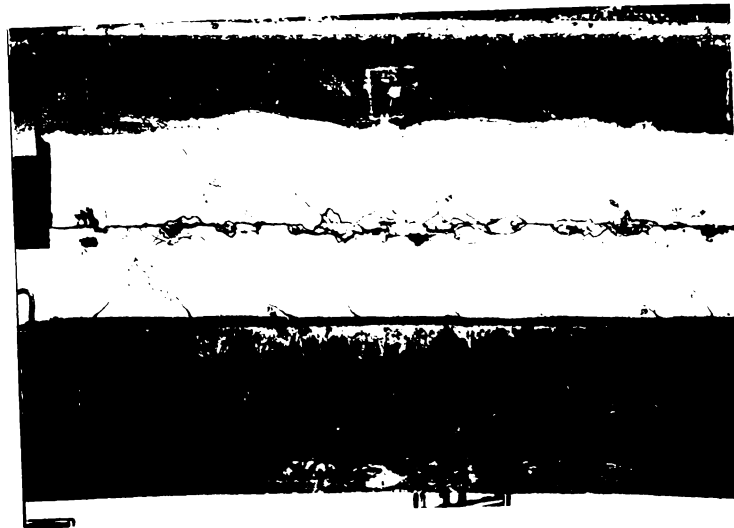
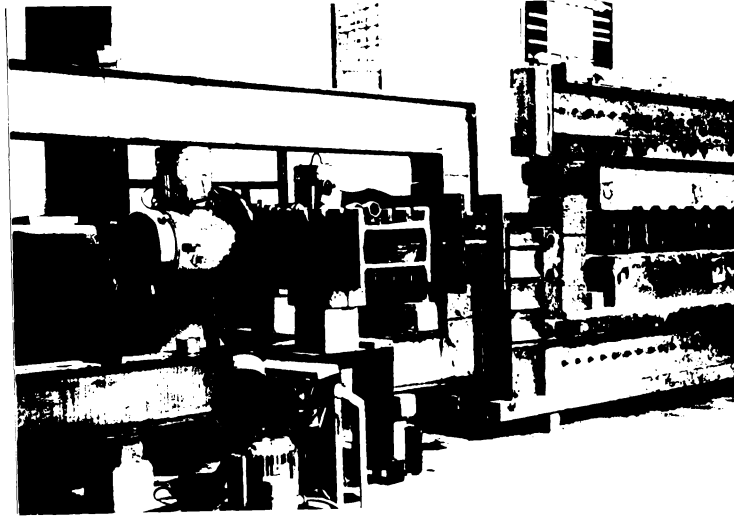


Fig. 4.

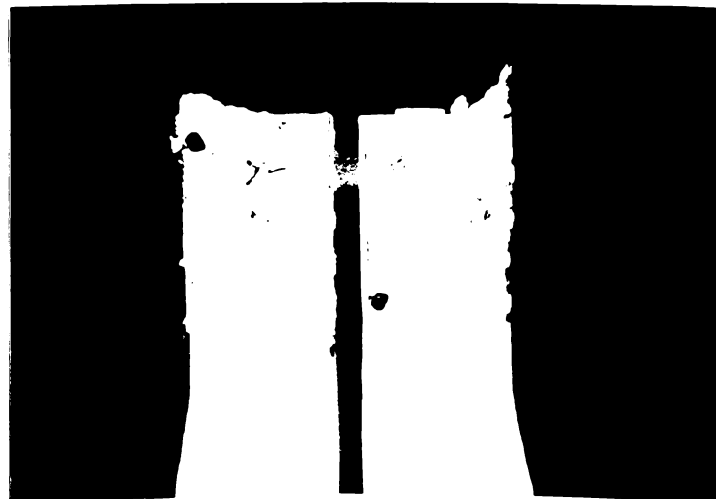
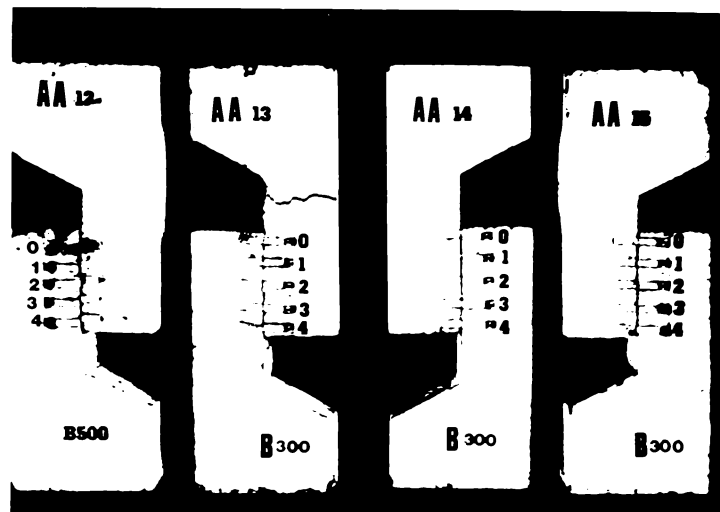
**D. - Sint prezentate aspecte de alcătuire a diaframelor asamblate din panouri mari prefabricate, modul de armare, dispozitivul de încercare, aspecte de rupere.**





**E. - Aspecte de rupere a diferitelor probe din programul experimental efectuat de autor.**

1  
:  
1



```

10 DATA 1,2,6,7,2,3,7,8,3,4,8,9,4,5,9,10,6,7,11,12,7,8,12,13,8,9,
13,14,9,10,14,15,11,12,17,18,12,13,18,19,17,18,20,21,18,19,21,22,
20,21,25,26,21,22,26,27,22,23,27,28,23,24,28,29,25,26,30,31,26,27
,31,32,27,28,32,33,28,29,33,34
20 DATA 30,31,35,36,31,32,36,37,32,33,37,38,33,34,38,39,35,36,40,
41,36,37,41,42,37,38,42,43,38,39,43,44,42,43,45,46,43,44,46,47,45
,46,51,52,46,47,52,53,49,50,54,55,50,51,55,56,51,52,56,57,52,53,5
7,58,54,55,59,60,55,56,60,61,56,57,61,62,57,58,62,63
30 DATA 13,16,14,14,16,15,13,19,16,45,48,51,48,50,51,48,49,50
40 DATA 0.,60.,5.,60.,10.,60.,15.,60.,20.,60.,0.,55.,5.,55.,10.,5
5.,15.,55.,20.,55.,0.,50.,5.,50.,10.,50.,15.,50.,20.,50.,15.,47.5
,0.,45.,5.,45.,10.,45.,0.,40.,5.,40.,10.,40.,15.,40.,20.,40.,0.,3
5.,5.,35.,10.,35.,15.,35.,20.,35.
50 DATA 0.,30.,5.,30.,10.,30.,15.,30.,20.,30.,0.,25.,5.,25.,10.,2
5.,15.,25.,20.,25.,0.,20.,5.,20.,10.,20.,15.,20.,20.,20.,10.,15.,
15.,15.,20.,15.,5.,12.5
60 DATA 0.,10.,5.,10.,10.,10.,15.,10.,20.,10.,0.,5.,5.,5.,10.,5.,
15.,5.,20.,5.,0.,0.,5.,0.,10.,0.,15.,0.,20.,0.
70 OPEN "0",#1,"M:SPTDRTR.REZ"
80 PRINT #1,"*****"
90 PRINT #1,"* STAREA PLANA DE TENSIUNI *"
100 PRINT #1,"* ELEMENTE DREPTUNGHI, SI TRIUNGHI,*"
110 PRINT #1,"*****"
120 PRINT "*****"
130 PRINT "* CARACTERISTICI STRUCTURA *"
140 PRINT "*****"
150 INPUT "NUMARUL DE NODURI =" ;NJ
160 INPUT "NR.NODURI CU BLOCAJE =" ;NB
170 INPUT "NR.NOD.CU DEPL.IMPUSE=" ;ND
180 INPUT "NR.NOD.CU INCARCARI =" ;NF
190 INPUT "NR.ELEM. DREPT. =" ;NE
200 INPUT "NR. ELEM. TRIUNGHI. =" ;NTT
210 INPUT "MODULUL DE ELASTICIT.=" ;E
220 INPUT "GROSIMEA ELEMENTELOR =" ;TT
230 INPUT "COEFICIENTUL POISSON =" ;NI
240 PRINT #1,"NUMARUL DE NODURI =" ;NJ
250 PRINT #1,"NR.NODURI CU BLOC.=" ;NB
260 PRINT #1,"NR.NOD.CU DEPL.IMP=" ;ND
270 PRINT #1,"NR.NOD CU INCARC. =" ;NF
280 PRINT #1,"NR.ELEM.DREPTUNGHI.=" ;NE
290 PRINT #1,"NR.ELEM.TRIUNGHI. =" ;NTT
300 PRINT #1,"MODUL DE ELASTICIT=" ;E
310 PRINT #1,"GROSIMEA ELEM. =" ;TT
320 PRINT #1,"COEF. POISSON =" ;NI
330 NN=NJ*2
340 DIM IN(NE,4),NI(NTT,3)
350 PRINT;PRINT"TOPOLOGIA ELEMENTELOR";PRINT
360 PRINT;PRINT #1,"TOPOLOGIA ELEMENTELOR";PRINT
370 PRINT #1,"ELEMENTE DREPTUNGHIULARE";PRINT #1,""
380 PRINT #1,"ELEM I J K L"
390 FOR I=1 TO NE
400 PRINT "ELEMENTUL DREPT. ";I;PRINT
410 READ IN(I,1),IN(I,2),IN(I,3),IN(I,4);GOTO 460
420 INPUT "NODUL I=" ;IN(I,1)
430 INPUT "NODUL J=" ;IN(I,2)
440 INPUT "NODUL K=" ;IN(I,3)
450 INPUT "NODUL L=" ;IN(I,4)
460 PRINT #1, USING "### ## ## ## ##";I,IN(I,1),IN(I,
2),IN(I,3),IN(I,4)
470 FOR J=1 TO 4
480 FOR L=J TO 4

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490 S=ABS(IN(I,J)-IN(I,L))
500 IF S<R THEN GOTO 520
510 R=S
520 NEXT L
530 NEXT J
540 NEXT I
550 PRINT #1,"ELEMENTE TRIUNGHIULARE";PRINT #1,""
560 PRINT #1,"ELEM      I      J      K"
570 FOR I=1 TO NTT
580 PRINT "ELEMENTUL TRIUNG.";I;PRINT
590 READ NI(I,1),NI(I,2),NI(I,3);GOTO 630
600 INPUT "NODUL I=";NI(I,1)
610 INPUT "NODUL J=";NI(I,2)
620 INPUT "NODUL K=";NI(I,3)
630 PRINT #1,USING "###  ###  ###  ###";I,NI(I,1),NI(I,2),NI(I,3)
640 FOR J=1 TO 3
650 FOR L=J TO 3
660 S=ABS(NI(I,J)-NI(I,L))
670 IF S<R THEN GOTO 690
680 R=S
690 NEXT L
700 NEXT J
710 NEXT I
720 R=(R+1)*2
730 PRINT;PRINT "LATIMEA SEMIBENZII=";R;PRINT
740 PRINT #1,"";PRINT #1,"LATIMEA SEMIBENZII=";R;PRINT #1,""
750 DIM X(NJ),Y(NJ),K(NN,R),F(NN),ID(8),EF(3)
760 DIM BB(3,8),DD(3,3),DB(3,8),UE(8),XE(4),YE(4)
770 DIM NO(NN),V(NN),KB(6,6),A(3),FD(3),SR(3),SP(3),BM(3,6),BD(3,6),D(3,3),UG(3),VV(3)
780 PRINT;PRINT "COORDONATELE NODURILOR";PRINT
790 PRINT #1,"";PRINT #1,"COORDONATELE NODURILOR";PRINT #1
800 PRINT #1,"NODUL      X      Y";PRINT #1,""
810 FOR I=1 TO NJ
820 PRINT;PRINT "NODUL";I;PRINT
830 READ X(I),Y(I);GOTO 860
840 INPUT "X=";X(I)
850 INPUT "Y=";Y(I);PRINT
860 PRINT #1,USING "###  ###.##  ###.##";I,X(I),Y(I)
870 NEXT I
880 PRINT "*****"
890 PRINT "* ASAMBLEAZA MATRICILE      *"
900 PRINT "* CARACTERISTICE            *"
910 PRINT "*****"
920 CN=E*TT/(1-NI^2);ZU=NI;MU=(1-NI)/2
930 FOR M=1 TO NE
940 FOR J=1 TO 4
950 L=IN(M,J)
960 XE(J)=X(L)
970 YE(J)=Y(L)
980 NEXT J
990 A=(YE(1)-YE(3))/(XE(2)-XE(1))
1000 B=E/NI/2-1
1010 H=1-NI^2
1020 C=E*TT
1030 E1=1/H*C
1040 E2=NI/H*C
1050 E3=(1-NI)/2/H*C
1060 J1=(IN(M,1)-1)*2+1
1070 J2=(IN(M,2)-1)*2+1

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1080 J3=(IN(M,3)-1)*2+1
1090 J4=(IN(M,4)-1)*2+1
1100 I=J2-J1+1
1110 J=J3-J1+1
1120 K=J4-J1+1
1130 K(J1,1)=K(J1,1)+A*E1/3+E3/3/A
1140 K(J1,2)=K(J1,2)-(E2+E3)/4
1150 K(J1,I)=K(J1,I)-A*E1/3+E3/6/A
1160 K(J1,I+1)=K(J1,I+1)-(E2-E3)/4
1170 K(J1,J)=K(J1,J)+A*E1/6-E3/3/A
1180 K(J1,J+1)=K(J1,J+1)+(E2-E3)/4
1190 K(J1,K)=K(J1,K)-A*E1/6-E3/6/A
1200 K(J1,K+1)=K(J1,K+1)+(E2+E3)/4
1210 K(J1+1,1)=K(J1+1,1)+E1/3/A+A*E3/3
1220 K(J1+1,I-1)=K(J1+1,I-1)+(E2-E3)/4
1230 K(J1+1,I)=K(J1+1,I)+E1/6/A-A*E3/3
1240 K(J1+1,J-1)=K(J1+1,J-1)-(E2-E3)/4
1250 K(J1+1,J)=K(J1+1,J)-E1/3/A+A*E3/6
1260 K(J1+1,K-1)=K(J1+1,K-1)+(E2+E3)/4
1270 K(J1+1,K)=K(J1+1,K)-E1/6/A-A*E3/6
1280 I=J3-J2+1;J=J4-J2+1
1290 K(J2,1)=K(J2,1)+A*E1/3+E3/3/A
1300 K(J2,2)=K(J2,2)+(E2+E3)/4
1310 K(J2,I)=K(J2,I)-A*E1/6-E3/6/A
1320 K(J2,I+1)=K(J2,I+1)-(E2+E3)/4
1330 K(J2,J)=K(J2,J)+A*E1/6-E3/3/A
1340 K(J2,J+1)=K(J2,J+1)-(E2-E3)/4
1350 K(J2+1,1)=K(J2+1,1)+E1/3/A+A*E3/3
1360 K(J2+1,I-1)=K(J2+1,I-1)-(E2+E3)/4
1370 K(J2+1,I)=K(J2+1,I)-E1/6/A-A*E3/6
1380 K(J2+1,J-1)=K(J2+1,J-1)+(E2-E3)/4
1390 K(J2+1,J)=K(J2+1,J)-E1/3/A+A*E3/6
1400 I=J4-J3+1
1410 K(J3,1)=K(J3,1)+A*E1/3+E3/3/A
1420 K(J3,2)=K(J3,2)+(E2+E3)/4
1430 K(J3,I)=K(J3,I)-A*E1/3+E3/6/A
1440 K(J3,I+1)=K(J3,I+1)+(E2-E3)/4
1450 K(J3+1,1)=K(J3+1,1)+E1/3/A+A*E3/3
1460 K(J3+1,I-1)=K(J3+1,I-1)-(E2-E3)/4
1470 K(J3+1,I)=K(J3+1,I)+E1/6/A-A*E3/3
1480 K(J4,1)=K(J4,1)+A*E1/3+E3/3/A
1490 K(J4,2)=K(J4,2)-(E2+E3)/4
1500 K(J4+1,1)=K(J4+1,1)+E1/3/A+A*E3/3
1510 NEXT M
1520 FOR KK=1 TO NTT
1530 I1=NI(KK,1);J1=NI(KK,2);K1=NI(KK,3)
1540 A(1)=Y(J1)-Y(K1);A(2)=Y(K1)-Y(I1);A(3)=Y(I1)-Y(J1)
1550 FO(1)=X(K1)-X(J1);FO(2)=X(I1)-X(K1);FO(3)=X(J1)-X(I1)
1560 DL=X(I1)*A(1)+X(J1)*A(2)+X(K1)*A(3);DL=ABS(DL)
1570 FOR II=1 TO 3
1580 I2=2*I1-2
1590 FOR JJ=1 TO 3
1600 J2=2*J1-2
1610 KB(I2+1,J2+1)=0.5*CN*(A(II)*A(JJ)+MU*FO(II)*FO(JJ))/DL
1620 KB(I2+2,J2+2)=0.5*CN*(FO(II)*FO(JJ)+MU*A(II)*A(JJ))/DL
1630 KB(I2+1,J2+2)=0.5*CN*(ZU*A(II)*FO(JJ)+MU*FO(II)*A(JJ))/DL
1640 KB(I2+2,J2+1)=0.5*CN*(ZU*A(JJ)*FO(II)+MU*FO(JJ)*A(II))/DL
1650 NEXT JJ;NEXT II
1660 I1=2*I1-2;J1=2*J1-2;K1=2*K1-2
1670 FOR JJ=1 TO 3
1680 IF JJ=1 THEN NR=I1

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1690 IF JJ=2 THEN NR=J1
1700 IF JJ=3 THEN NR=K1
1710 FOR J9=1 TO 2
1720 NR=NR+1
1730 II=(JJ-1)*2+J9
1740 FOR K9=1 TO 3
1750 IF K9=1 THEN N9=I1
1760 IF K9=2 THEN N9=J1
1770 IF K9=3 THEN N9=K1
1780 FOR K2=1 TO 2
1790 LL=(K9-1)*2+K2
1800 KN=N9+K2+1-NR
1810 IF KN<=0 THEN 1830
1820 K(NR,KN)=K(NR,KN)+KB(II,LL)
1830 NEXT K2:NEXT K9:NEXT J9:NEXT JJ
1840 NEXT KK
1850 IF NF=0 THEN GOTO 1970
1860 PRINT:PRINT "INCARCARI LA NODURI":PRINT
1870 PRINT #1,"":PRINT #1,"INCARCARI LA NODURI":PRINT #1,""
1880 PRINT #1,"NODUL          FX          FY":PRINT #1,""
1890 FOR I=1 TO NF
1900 INPUT "NODUL=";J:PRINT
1910 INPUT "PE DIR, X=";FX
1920 INPUT "PE DIR, Y=";FY
1930 PRINT #1,USING "####          #####,##          #####,##";J,FX,FY
1940 F(J*2-1)=FX
1950 F(J*2)=FY:PRINT
1960 NEXT I
1970 IF ND=0 THEN GOTO 2080
1980 PRINT:PRINT "DEPLASARI IMPUSE":PRINT
1990 FOR I=1 TO ND
2000 INPUT "NODUL=";J:PRINT
2010 INPUT "PE DIR, X=";BX
2020 INPUT "PE DIR, Y=";BY:PRINT
2030 IF BX=0 THEN GOTO 2050
2040 V(J*2-1)=BX
2050 IF BY=0 THEN GOTO 2070
2060 V(J*2)=BY:PRINT
2070 NEXT I
2080 PRINT "*****"
2090 PRINT "* CONDITII DE REZEMARE          *"
2100 PRINT "*****"
2110 PRINT:PRINT "NODURI CU BLOCAJE":PRINT
2120 PRINT #1,"":PRINT #1,"NODURI CU BLOCAJE":PRINT #1,""
2130 PRINT #1,"NODUL          BX          BY"
2140 FOR I=1 TO NB
2150 INPUT "NODUL=";J:PRINT
2160 INPUT "BLOCAJ PE DIR, X=";BX
2170 INPUT "BLOCAJ PE DIR, Y=";BY:PRINT
2180 PRINT #1,USING "###          ###          ###";J,BX,BY
2190 IF BX=0 THEN GOTO 2210
2200 NO(J*2-1)=1
2210 IF BY=0 THEN GOTO 2230
2220 NO(J*2)=1
2230 NEXT I
2240 PRINT "*****"
2250 PRINT "* REZOLVAREA SISTEMULUI          *"
2260 PRINT "*****"
2270 IF NO(1)=1 THEN 2330
2280 K(1,1)=SQR(K(1,1))
2290 FOR J=2 TO R

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2300 IF ND(J)=1 THEN GOTO 2320
2310 K(I,J)=K(I,J)/K(I,1)
2320 NEXT J
2330 NT=R
2340 N1=NN-R+1
2350 FOR I=2 TO NN
2360 IF ND(I)=1 THEN GOTO 2590
2370 IF I<=N1 THEN GOTO 2390
2380 NT=NN-I+1
2390 I2=I-1
2400 FOR J=1 TO NT
2410 J1=J+I-1
2420 IF ND(J1)=1 THEN GOTO 2580
2430 T=0
2440 IF J=R THEN GOTO 2570
2450 I1=I+J-R
2460 IF I1>0 THEN GOTO 2480
2470 I1=1
2480 FOR K=I1 TO I2
2490 IF ND(K)=1 THEN GOTO 2530
2500 L=I-K+1
2510 N=L+J-1
2520 T=T+K(K,L)*K(K,N)
2530 NEXT K
2540 IF J>1 THEN GOTO 2570
2550 K(I,1)=SQR(K(I,1)-T)
2560 GOTO 2580
2570 K(I,J)=(K(I,J)-T)/K(I,1)
2580 NEXT J
2590 NEXT I
2600 IF ND=0 THEN GOTO 2790
2610 FOR I=1 TO NN
2620 IF V(I)=0 THEN GOTO 2780
2630 I1=I-R+1
2640 IF I1>0 THEN GOTO 2660
2650 I1=1
2660 FOR K=I1 TO I
2670 J=I-K+1
2680 F(K)=F(K)-K(K,J)*V(I)
2690 NEXT K
2700 I1=NN-I+1
2710 IF I1<=R THEN GOTO 2730
2720 I1=R
2730 FOR J=2 TO I1
2740 K=I+J-1
2750 IF K>NN THEN GOTO 2770
2760 F(K)=F(K)-K(I,J)*V(I)
2770 NEXT J
2780 NEXT I
2790 IF ND(1)=1 THEN GOTO 2810
2800 V(1)=F(1)/K(1,1)
2810 FOR I=2 TO NN
2820 IF ND(I)=1 THEN GOTO 2940
2830 T=0
2840 I2=I-1
2850 I1=I-R+1
2860 IF I1>0 THEN GOTO 2880
2870 I1=1
2880 FOR K=I1 TO I2
2890 IF ND(K)=1 THEN GOTO 2920
2900 L=I-K+1

```

```

2910 T=T+K(K,L)*V(K)
2920 NEXT K
2930 V(I)=(F(I)-T)/K(I,1)
2940 NEXT I
2950 FOR L=1 TO NN
2960 I=NN-L+1
2970 IF NO(I)=1 THEN GOTO 3090
2980 T=0
2990 IF L=1 THEN GOTO 3080
3000 N1=L
3010 IF L<=R THEN GOTO 3030
3020 N1=R
3030 FOR J=2 TO N1
3040 K=I+J-1
3050 IF NO(K)=1 THEN GOTO 3070
3060 T=T+K(I,J)*V(K)
3070 NEXT J
3080 V(I)=(V(I)-T)/K(I,1)
3090 NEXT L
3100 FOR I=1 TO NN
3110 IF NO(I)=0 THEN GOTO 3300
3120 L=I
3130 F(L)=0
3140 I1=L-R+1
3150 IF I1>0 THEN GOTO 3170
3160 I1=1
3170 FOR J=I1 TO L
3180 K=L-J+1
3190 F(L)=F(L)+K(J,K)*V(J)
3200 NEXT J
3210 I2=R
3220 I1=NN-L+1
3230 IF I1>=R THEN GOTO 3250
3240 I2=I1
3250 FOR J=2 TO I2
3260 K=L+J-1
3270 IF K>NN THEN GOTO 3290
3280 F(L)=F(L)+K(L,J)*V(K)
3290 NEXT J
3300 NEXT I
3310 PRINT
3320 PRINT "DEPLASARI LA NODURI":PRINT
3330 PRINT #1,"DEPLASARI LA NODURI":PRINT #1,""
3340 PRINT #1,"NODUL      DX      DY":PRINT #1,""
3350 FOR I=1 TO NN STEP 2
3360 PRINT "NODUL";(I+1)/2:PRINT
3370 PRINT "PE DIR. X=";V(I)
3380 PRINT "PE DIR. Y="V(I+1):PRINT
3390 PRINT #1,USING "###    ###.###    ###.###";(I+1)/2,V(I)
,V(I+1)
3400 NEXT I
3410 PRINT "REACTIUNI LA NODURI":PRINT
3420 PRINT #1,"":PRINT #1,"REACTIUNI LA NODURI":PRINT #1,""
3430 PRINT #1,"NODUL      RX      RY"
3440 FOR I=1 TO NN STEP 2
3450 PRINT "NODUL";(I+1)/2:PRINT
3460 PRINT #1,USING "###    #####.###    #####.###";(
(I+1)/2,F(I),F(I+1))
3470 PRINT "PE DIR. X=";F(I)
3480 PRINT "PE DIR. Y=";F(I+1):PRINT
3490 NEXT I

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```

3500 PRINT "*****"
3510 PRINT "* EFORTURI IN ELEMENTE      *"
3520 PRINT "*****"
3530 PRINT;PRINT "EFORTURI UNITARE";PRINT
3540 PRINT #1,"";PRINT #1,"EFORTURI UNITARE";PRINT #1,""
3550 PRINT #1,"ELEM SIGMA X SIGMA Y SIGMAXY SIGMA 1 SIGMA 2
DIR, S1"
3560 FOR M=1 TO NE
3570 PRINT "ELEMENTUL DREPT,=";M;PRINT
3580 FOR I=1 TO 4
3590 L=2*I
3600 FOR J=1 TO 2
3610 ID(L)=2*IN(M,I)-J+1
3620 L=L-1
3630 NEXT J
3640 NEXT I
3650 FOR I=1 TO 8
3660 L=ID(I)
3670 UE(I)=V(L)
3680 NEXT I
3690 FOR I=1 TO 4
3700 J=IN(M,I)
3710 XE(I)=X(J)
3720 YE(I)=Y(J)
3730 NEXT I
3740 AA=XE(2)-XE(1)
3750 BB=YE(1)-YE(3)
3760 FOR I=1 TO 3
3770 FOR J=1 TO 8
3780 BB(I,J)=0
3790 NEXT J
3800 NEXT I
3810 H=1-NI^2
3820 DD(1,1)=E/H
3830 DD(1,2)=E*NI/H
3840 DD(2,1)=E*NI/H
3850 DD(2,2)=E/H
3860 DD(3,3)=E/2*(1-NI)/H
3870 A=1/2/AA
3880 B=1/2/BB
3890 BB(1,1)=-A
3900 BB(1,3)=A
3910 BB(1,5)=-A
3920 BB(1,7)=A
3930 BB(2,2)=B
3940 BB(2,4)=B
3950 BB(2,6)=-B
3960 BB(2,8)=-B
3970 BB(3,1)=B
3980 BB(3,2)=-A
3990 BB(3,3)=B
4000 BB(3,4)=A
4010 BB(3,5)=-B
4020 BB(3,6)=-A
4030 BB(3,7)=-B
4040 BB(3,8)=A
4050 FOR I=1 TO 3
4060 FOR J=1 TO 8
4070 DB(I,J)=0
4080 FOR L=1 TO 3
4090 DB(I,J)=DB(I,J)+DD(I,L)*BB(L,J)

```

```

4100 NEXT L
4110 NEXT J
4120 NEXT I
4130 FOR I=1 TO 3
4140 EF(I)=0
4150 FOR L=1 TO 8
4160 EF(I)=EF(I)+DB(I,L)*UE(L)
4170 NEXT L
4180 NEXT I
4190 PRINT "SIGMA X=";EF(1)
4200 PRINT "SIGMA Y=";EF(2)
4210 PRINT "SIGMAXY=";EF(3);PRINT
4220 S1=(EF(1)+EF(2))/2+SQR((EF(1)-EF(2))^2/4+EF(3)^2)
4230 S2=(EF(1)+EF(2))/2-SQR((EF(1)-EF(2))^2/4+EF(3)^2)
4240 TF=ATN(EF(3)/(EF(1)-S2))*180/3.14159
4250 PRINT "SIGMA 1=";S1
4260 PRINT "SIGMA 2=";S2
4270 PRINT "DIR, S1=";TF;PRINT
4280 PRINT #1,USING "### ####,### ###,### ###,### ###,### ##
#,### ###,###";M,EF(1),EF(2),EF(3),S1,S2,TF
4290 NEXT M
4300 CN=CN/TT
4310 FOR KK=1 TO NTT
4320 I1=NI(KK,1);J1=NI(KK,2);K1=NI(KK,3)
4330 UG(1)=V(2*I1-1);UG(2)=V(2*J1-1);UG(3)=V(2*K1-1)
4340 VV(1)=V(2*I1);VV(2)=V(2*J1);VV(3)=V(2*K1)
4350 A(1)=Y(J1)-Y(K1);A(2)=Y(K1)-Y(I1);A(3)=Y(I1)-Y(J1)
4360 FD(1)=X(K1)-X(J1);FD(2)=X(I1)-X(K1);FD(3)=X(J1)-X(I1)
4370 D(1,1)=CN;D(2,2)=CN;D(1,2)=2U*CN;D(2,1)=2U*CN
4380 D(3,3)=MU*CN
4390 BM(1,1)=A(1)/DL;BM(1,2)=A(2)/DL;BM(1,3)=A(3)/DL
4400 BM(2,4)=FD(1)/DL;BM(2,5)=FD(2)/DL;BM(2,6)=FD(3)/DL
4410 BM(3,1)=FD(1)/DL;BM(3,2)=FD(2)/DL;BM(3,3)=FD(3)/DL
4420 BM(3,4)=A(1)/DL;BM(3,5)=A(2)/DL;BM(3,6)=A(3)/DL
4430 FOR II=1 TO 3
4440 FOR JJ=1 TO 6
4450 BD(II,JJ)=0
4460 FOR K9=1 TO 3
4470 BD(II,JJ)=BD(II,JJ)+D(II,K9)*BM(K9,JJ)
4480 NEXT K9;NEXT JJ;NEXT II
4490 FOR II=1 TO 3
4500 SR(II)=0
4510 FOR JJ=1 TO 6
4520 IF JJ>3 THEN 4550
4530 SR(II)=SR(II)+BD(II,JJ)*UG(JJ)
4540 GOTO 4560
4550 SR(II)=SR(II)+BD(II,JJ)*VV(JJ-3)
4560 NEXT JJ
4570 NEXT II
4580 SP(1)=(SR(1)+SR(2))/2+0.5*SQR((SR(1)-SR(2))^2+4*SR(3)^2)
4590 SP(2)=(SR(1)+SR(2))/2-0.5*SQR((SR(1)-SR(2))^2+4*SR(3)^2)
4600 SP(3)=0.5*ATN(2*SR(3)/(SR(1)-SR(2)))
4610 PRINT "ELEM, TRIUNGH, =";KK;PRINT
4620 PRINT "SX =";SR(1);PRINT "SY =";SR(2);PRINT "SXY=";SR(3)
4630 PRINT "S1 =";SP(1);PRINT "S2 =";SP(2);PRINT "ALF=";SP(3)
4640 PRINT #1,USING "### ####,### ###,### ###,### ###,### ##
#,### ###,###";KK,SR(1),SR(2),SR(3),SP(1),SP(2),SP(3)
4650 NEXT KK
4660 CLOSE #1
4670 STOP

```

```

*****
* STAREA PLANA DE TENSIUNI *
* ELEMENTE DREPTUNGHI, SI TRIUNGHI,*
*****
NUMARUL DE NODURI = 63
NR,NODURI CU BLOC, = 1
NR,NOD, CU DEPL, IMP= 0
NR,NOD CU INCARC, = 2
NR,ELEM,DREPTUNGHI, = 40
NR,ELEM,TRIUNGHI, = 6
MODUL DE ELASTICIT= 300000
GROSIMEA ELEM, = 10
COEF, POISSON = 0,2
TOPOLOGIA ELEMENTELOR
ELEMENTE DREPTUNGHIULARE

```

ELEM	I	J	K	L
1	1	2	6	7
2	2	3	7	8
3	3	4	8	9
4	4	5	9	10
5	6	7	11	12
6	7	8	12	13
7	8	9	13	14
8	9	10	14	15
9	11	12	17	18
10	12	13	18	19
11	17	18	20	21
12	18	19	21	22
13	20	21	25	26
14	21	22	26	27
15	22	23	27	28
16	23	24	28	29
17	25	26	30	31
18	26	27	31	32
19	27	28	32	33
20	28	29	33	34
21	30	31	35	36
22	31	32	36	37
23	32	33	37	38
24	33	34	38	39
25	35	36	40	41
26	36	37	41	42
27	37	38	42	43
28	38	39	43	44
29	42	43	45	46
30	43	44	46	47
31	45	46	51	52
32	46	47	52	53
33	49	50	54	55
34	50	51	55	56
35	51	52	56	57
36	52	53	57	58
37	54	55	59	60
38	55	56	60	61
39	56	57	61	62
40	57	58	62	63

ELEMENTE TRIUNGHIULARE

ELEM	I	J	K
1	13	16	14



2	14	16	15
3	13	19	16
4	45	48	51
5	48	50	51
6	48	49	50

LATIMEA SEMIBENZII= 16

COORDONATELE NODURILOR

NODUL	X	Y
1	0,00	60,0
2	5,00	60,0
3	10,00	60,0
4	15,00	60,0
5	20,00	60,0
6	0,00	55,0
7	5,00	55,0
8	10,00	55,0
9	15,00	55,0
10	20,00	55,0
11	0,00	50,0
12	5,00	50,0
13	10,00	50,0
14	15,00	50,0
15	20,00	50,0
16	15,00	47,5
17	0,00	45,0
18	5,00	45,0
19	10,00	45,0
20	0,00	40,0
21	5,00	40,0
22	10,00	40,0
23	15,00	40,0
24	20,00	40,0
25	0,00	35,0
26	5,00	35,0
27	10,00	35,0
28	15,00	35,0
29	20,00	35,0
30	0,00	30,0
31	5,00	30,0
32	10,00	30,0
33	15,00	30,0
34	20,00	30,0
35	0,00	25,0
36	5,00	25,0
37	10,00	25,0
38	15,00	25,0
39	20,00	25,0
40	0,00	20,0
41	5,00	20,0
42	10,00	20,0
43	15,00	20,0
44	20,00	20,0
45	10,00	15,0
46	15,00	15,0
47	20,00	15,0
48	5,00	12,5

49	0,00	10,0
50	5,00	10,0
51	10,00	10,0
52	15,00	10,0
53	20,00	10,0
54	0,00	5,0
55	5,00	5,0
56	10,00	5,0
57	15,00	5,0
58	20,00	5,0
59	0,00	0,0
60	5,00	0,0
61	10,00	0,0
62	15,00	0,0
63	20,00	0,0

INCARCARI LA NODURI

NODUL	FX	FY
3	0,00	-1000,00
61	0,00	1000,00

NODURI CU BLOCAJE

NODUL	BX	BY
32	1	1

DEPLASARI LA NODURI

NODUL	DX	DY
1	0,0009	-0,0003
2	0,0009	-0,0010
3	0,0009	-0,0020
4	0,0008	-0,0021
5	0,0008	-0,0026
6	0,0002	-0,0003
7	0,0002	-0,0010
8	0,0003	-0,0016
9	0,0004	-0,0021
10	0,0003	-0,0026
11	-0,0004	-0,0004
12	-0,0004	-0,0009
13	-0,0003	-0,0014
14	-0,0002	-0,0021
15	-0,0002	-0,0027
16	-0,0005	-0,0021
17	-0,0008	-0,0006
18	-0,0008	-0,0008
19	-0,0008	-0,0011
20	-0,0008	-0,0008
21	-0,0009	-0,0007
22	-0,0009	-0,0005
23	-0,0010	0,0004
24	-0,0010	0,0009
25	-0,0006	-0,0009
26	-0,0005	-0,0006
27	-0,0005	-0,0002
28	-0,0004	0,0004
29	-0,0004	0,0009
30	-0,0001	-0,0009

31	-0,0001	-0,0005
32	0,0000	0,0000
33	0,0001	0,0005
34	0,0001	0,0009
35	0,0004	-0,0009
36	0,0004	-0,0004
37	0,0005	0,0002
38	0,0005	0,0006
39	0,0006	0,0009
40	0,0010	-0,0009
41	0,0010	-0,0004
42	0,0009	0,0005
43	0,0009	0,0007
44	0,0008	0,0008
45	0,0008	0,0011
46	0,0008	0,0008
47	0,0008	0,0006
48	0,0005	0,0021
49	0,0002	0,0027
50	0,0002	0,0021
51	0,0003	0,0014
52	0,0004	0,0009
53	0,0004	0,0004
54	-0,0003	0,0026
55	-0,0004	0,0021
56	-0,0003	0,0016
57	-0,0002	0,0010
58	-0,0002	0,0003
59	-0,0008	0,0026
60	-0,0008	0,0021
61	-0,0009	0,0020
62	-0,0009	0,0010
63	-0,0009	0,0003

REACTIUNI LA NODURI

NODUL	RX	RY
1	0,000	0,000
2	0,000	0,000
3	0,000	-1000,000
4	0,000	0,000
5	0,000	0,000
6	0,000	0,000
7	0,000	0,000
8	0,000	0,000
9	0,000	0,000
10	0,000	0,000
11	0,000	0,000
12	0,000	0,000
13	0,000	0,000
14	0,000	0,000
15	0,000	0,000
16	0,000	0,000
17	0,000	0,000
18	0,000	0,000
19	0,000	0,000
20	0,000	0,000
21	0,000	0,000
22	0,000	0,000
23	0,000	0,000
24	0,000	0,000

25	0,000	0,000
26	0,000	0,000
27	0,000	0,000
28	0,000	0,000
29	0,000	0,000
30	0,000	0,000
31	0,000	0,000
32	-0,001	0,005
33	0,000	0,000
34	0,000	0,000
35	0,000	0,000
36	0,000	0,000
37	0,000	0,000
38	0,000	0,000
39	0,000	0,000
40	0,000	0,000
41	0,000	0,000
42	0,000	0,000
43	0,000	0,000
44	0,000	0,000
45	0,000	0,000
46	0,000	0,000
47	0,000	0,000
48	0,000	0,000
49	0,000	0,000
50	0,000	0,000
51	0,000	0,000
52	0,000	0,000
53	0,000	0,000
54	0,000	0,000
55	0,000	0,000
56	0,000	0,000
57	0,000	0,000
58	0,000	0,000
59	0,000	0,000
60	0,000	0,000
61	0,000	1000,000
62	0,000	0,000
63	0,000	0,000

EFORTURI UNITARE

ELEM	SIGMA X	SIGMA Y	SIGMAXY	SIGMA 1	SIGMA 2	DIR, S1
1	0,331	0,527	0,702	1,137	-0,280	48,964
2	-1,158	-10,559	-4,437	0,606	-12,323	-21,674
3	-1,331	-10,480	4,330	0,394	-12,204	21,714
4	0,073	0,512	-0,595	0,927	-0,341	-55,134
5	0,416	-0,739	0,543	0,631	-0,955	21,611
6	3,208	-9,683	-0,354	3,218	-9,692	-1,572
7	1,845	-8,718	-0,756	1,899	-8,771	-4,075
8	-0,183	-0,860	0,567	0,139	-1,183	29,531
9	-0,054	0,650	2,338	2,662	-2,067	49,281
10	0,449	-11,403	1,208	0,570	-11,525	5,763
11	-1,473	3,582	-0,012	3,582	-1,473	-89,962
12	-5,271	-23,582	0,012	-5,271	-23,582	0,038
13	-0,421	0,430	-2,876	2,911	-2,903	-49,210
14	-0,488	-11,861	-1,728	-0,201	-12,118	-8,449
15	-2,484	-8,578	4,638	0,018	-11,080	28,349
16	-0,160	0,009	-0,034	0,016	-0,167	-78,904
17	1,163	-2,059	-1,359	1,660	-2,556	-20,083
18	3,155	-8,160	-0,611	3,188	-8,193	-3,082

19	2,590	-7,633	1,272	2,746	-7,789	6,986
20	0,199	-2,148	0,699	0,391	-2,340	15,388
21	0,199	-2,148	0,699	0,391	-2,340	15,387
22	2,590	-7,633	1,272	2,746	-7,789	6,986
23	3,155	-8,160	-0,611	3,188	-8,193	-3,082
24	1,163	-2,059	-1,359	1,660	-2,556	-20,082
25	-0,160	0,009	-0,034	0,016	-0,167	-78,901
26	-2,484	-8,577	4,638	0,018	-11,080	28,349
27	-0,488	-11,861	-1,728	-0,231	-12,118	-8,449
28	-0,421	0,430	-2,876	2,911	-2,903	-49,209
29	-5,271	-23,582	0,012	-5,271	-23,582	0,038
30	-1,473	3,582	-0,012	3,582	-1,473	-89,863
31	0,449	-11,403	1,208	0,570	-11,525	5,763
32	-0,054	0,649	2,338	2,662	-2,067	49,280
33	-0,183	-0,860	0,567	0,139	-1,183	29,591
34	1,845	-8,717	-0,756	1,899	-8,771	-4,075
35	3,208	-9,682	-0,354	3,218	-9,692	-1,572
36	0,416	-0,740	0,543	0,631	-0,955	21,610
37	0,073	0,512	-0,595	0,927	-0,341	-55,135
38	-1,331	-10,480	4,330	0,394	-12,204	21,714
39	-1,158	-10,559	-4,437	0,606	-12,323	-21,674
40	0,331	0,527	0,702	1,137	-0,280	48,965
1	2,117	-2,857	-2,196	2,948	-3,688	-0,362
2	0,441	-3,192	0,109	0,444	-3,196	0,030
3	-4,174	-30,936	-12,099	0,485	-35,595	-0,368
4	-4,174	-30,936	-12,099	0,485	-35,595	-0,368
5	2,117	-2,857	-2,196	2,948	-3,688	-0,362
6	0,441	-3,192	0,109	0,444	-3,196	0,030



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C

FORTRAN 00.00

K(1)=X(1)\*Y(1)+Z(1)  
K(2)=X(2)\*Y(2)+Z(2)  
K(3)=X(3)\*Y(3)+Z(3)  
K(4)=X(4)\*Y(4)+Z(4)  
K(5)=X(5)\*Y(5)+Z(5)  
K(6)=X(6)\*Y(6)+Z(6)  
K(7)=X(7)\*Y(7)+Z(7)  
K(8)=X(8)\*Y(8)+Z(8)  
K(9)=X(9)\*Y(9)+Z(9)  
K(10)=X(10)\*Y(10)+Z(10)

C

COLLIZJP 24/08/97 10.42.32

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17  I=1, N
18  J=1, N
19  K=1, N
20  L=1, N
21  M=1, N
22  O=1, N
23  P=1, N
24  Q=1, N
25  R=1, N
26  S=1, N
27  T=1, N
28  U=1, N
29  V=1, N
30  W=1, N
31  X=1, N
32  Y=1, N
33  Z=1, N
34  AA=1, N
35  BB=1, N
36  CC=1, N
37  DD=1, N
38  EE=1, N
39  FF=1, N
40  GG=1, N
41  HH=1, N
42  II=1, N
43  JJ=1, N
44  KK=1, N
45  LL=1, N
46  MM=1, N
47  NN=1, N
48  OO=1, N
49  PP=1, N
50  QQ=1, N
51  RR=1, N
52  SS=1, N
53  TT=1, N
54  UU=1, N
55  VV=1, N
56  WW=1, N
57  XX=1, N
58  YY=1, N
59  ZZ=1, N
60  AAA=1, N
61  BBB=1, N
62  CCC=1, N
63  DDD=1, N
64  EEE=1, N
65  FFF=1, N
66  GGG=1, N
67  HHH=1, N
68  III=1, N
69  JJJ=1, N
70  KKK=1, N
71  LLL=1, N
72  MMM=1, N
73  NNN=1, N
74  OOO=1, N
75  PPP=1, N

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FORTRAN 00.00

COLLIZJP 24/08/97 10.42.32

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95  I=1, N
96  J=1, N
97  K=1, N
98  L=1, N
99  M=1, N
100  N=1, N
101  O=1, N
102  P=1, N
103  Q=1, N
104  R=1, N
105  S=1, N
106  T=1, N
107  U=1, N
108  V=1, N
109  W=1, N
110  X=1, N
111  Y=1, N
112  Z=1, N
113  AA=1, N
114  BB=1, N
115  CC=1, N
116  DD=1, N
117  EE=1, N
118  FF=1, N
119  GG=1, N
120  HH=1, N
121  II=1, N
122  JJ=1, N
123  KK=1, N
124  LL=1, N
125  MM=1, N
126  NN=1, N

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C

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Ln. F

```

139 I(7)=2*SQRT(U1,4)-2
140 K(6)=K(7)+1
141 DO 52 I=1,5
142 J=1+INT(K)
143 U=K(I,J)=U(L,J)
144 CONTINUE
145 JK=K(1,1)
146 DO 61 I=1,3
147 J=1+J
148 KM(I,J)=K(I,J,K)
149 CONTINUE
150 AL=AL(L,N)

```

FORTRAN 00.00

CULLIZOP 24/08/90 10.42.52

3

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142 SM=5(I,N)
143 GMM=GM(I,N)
144 A(1)=0.
145 A(3)=1.
146 DO 57 I=1,4
147 YE=NOB(N,I)
148 XE(I)=X(I)
149 CONTINUE
150 DO 70 I=1,3
151 J=1+J
152 IF (I1.C2.A.NC.JJ.EC.2) GO TO 70
153 CALL FCFORM
154 DO 71 I=1,3
155 RB(I,J)=0
156 DO (I1,J) L=1,3
157 RB(I1,J)=K(I,J,K)
158 CONTINUE
159 DO 72 I=1,3

```

```

163 DO 72 J=1,INT(K)
164 SIG(I,J)=0
165 I=1+J
166 J=SIG(I,J)+K(I,J)*UF(L,J)
167 CONTINUE
168 WRITE(20,77)((SIG(I,J),I=1,3),J=1,INT(K))
169 DO 74 I=1,3
170 F=ALH*BT(I)*EM/(1.-GM)
171 CONTINUE
172 SIG(I,INT(K))=SIG(I,INT(K))-F
173 WRITE(20,77)((SIG(I,INT(K)),I=1,3))
174 IF (K(I) .EQ. 1) WRITE(1,78)
175 CONTINUE
176 IF (K(I) .EQ. 1) WRITE(1,78)
177 DO 75 I=1,INT(K)
178 SIG(L,I)=5*SIG(I,L)+SIG(L,I)+.5*SQRT((SIG(L,I)-SIG(I,L))*#2+4.*
179 SIG(I,I)*#1)
180 SIG(I,I)=.5*(SIG(L,I)+SIG(I,L))-5*SQRT((SIG(L,I)-SIG(I,L))*#2+4.*
181 SIG(I,I)*#1)/SIG(L,I)-SIG(I,I)
182 F(L)=SIG(L,I)-SIG(I,I)
183 F(I)=F(L)
184 CONTINUE
185 CONTINUE
186 CONTINUE
187 F(4)=F(1)

```

FORTRAN 00.00

CULLIZOP 24/08/90 10.42.52

4

```

180 F(5)=INT(K)
181 F(6)=F(5)+1
182 DO 53 I=1,3
183 J=1+INT(K)
184 U=K(I,J)=U(L,J)
185 CONTINUE
186 JK=K(1,1)
187 DO 62 I=1,3
188 J=1+J
189 KM(I,J)=K(I,J,K)
190 CONTINUE
191 AL=AL(L,N)
192 SM=5(I,N)
193 GMM=GM(I,N)
194 A(1)=0.
195 A(3)=1.
196 DO 57 I=1,4
197 YE=NOB(N,I)
198 XE(I)=X(I)
199 CONTINUE
200 DO 70 I=1,3
201 J=1+J
202 IF (I1.C2.A.NC.JJ.EC.2) GO TO 70
203 CALL FCFORM
204 DO 71 I=1,3
205 RB(I,J)=0
206 DO (I1,J) L=1,3
207 RB(I1,J)=K(I,J,K)
208 CONTINUE
209 DO 72 I=1,3

```



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FORTRAN 00.00

COLLIZDP 24/08/90 10.42.32

5

ERREURS DETECTEES AU COURS DE LA COMPILATION :

\*\* AVERTISSEMENT : ETIQUETTE '74' DEFINIE, NON REFERENCIEE.

\*\* AVERTISSEMENT : ETIQUETTE '10' DEFINIE, NON REFERENCIEE.

\*\* AVERTISSEMENT : ETIQUETTE '25' DEFINIE, NON REFERENCIEE.

\*\* AVERTISSEMENT : ETIQUETTE '60' DEFINIE, NON REFERENCIEE.  
COLLIZDP 24/08/90 10.42.58

6

```

1 * SFUMENT A+U+C
2 SUBROUTINE MATR
3 DIMENSION A(175,4),T(175),K(175),XS(215),YS(215),ICL(8
4 *)
5 DIMENSION UF(8,2),SIG(J,J)
6 DIMENSION KI(3,3,1),AL(1),L(1),GA(1),K(3),KB(3,9)
7 DIMENSION JI(3),SI(3),ST(3),FI(3)
8 COMMON /A/ A(3,3),B(3,2),RE(6,9),X(2),XI(4),EI(4),A(3),XE(4),
9 * YE(4),YI(4),JU,DETAJ
10 COMMON /T/ T(175,2),ALIN,IS,NINC
11 COMMON /C/ CAS(430,2)

```

```

12 DO 1 I=1,8
13 I=1,8
14 I=1,8
15 I=1,8
16 I=1,8
17 I=1,8
18 I=1,8
19 I=1,8
20 I=1,8
21 I=1,8
22 I=1,8
23 I=1,8
24 I=1,8
25 I=1,8
26 I=1,8
27 I=1,8
28 I=1,8
29 I=1,8
30 I=1,8
31 I=1,8
32 I=1,8
33 I=1,8
34 I=1,8
35 I=1,8
36 I=1,8
37 I=1,8
38 I=1,8
39 I=1,8
40 I=1,8
41 I=1,8
42 I=1,8
43 I=1,8
44 I=1,8
45 I=1,8
46 I=1,8
47 I=1,8

```

FORTRAN 00.00

COLLIZDP 24/08/90 10.42.58

7

```

48 I=1,8
49 I=1,8
50 I=1,8
51 I=1,8
52 I=1,8
53 I=1,8
54 I=1,8
55 I=1,8
56 I=1,8
57 I=1,8
58 I=1,8
59 I=1,8
60 I=1,8
61 I=1,8
62 I=1,8
63 I=1,8
64 I=1,8
65 I=1,8
66 I=1,8
67 I=1,8
68 I=1,8
69 I=1,8
70 I=1,8
71 I=1,8
72 I=1,8
73 I=1,8
74 I=1,8
75 I=1,8
76 I=1,8
77 I=1,8
78 I=1,8
79 I=1,8
80 I=1,8
81 I=1,8
82 I=1,8
83 I=1,8
84 I=1,8
85 I=1,8
86 I=1,8
87 I=1,8
88 I=1,8
89 I=1,8
90 I=1,8
91 I=1,8
92 I=1,8
93 I=1,8
94 I=1,8
95 I=1,8
96 I=1,8
97 I=1,8
98 I=1,8
99 I=1,8
100 I=1,8

```

COLLIZDP 24/08/90 10.42.58

8

AS  
YS

ICL

UF

ERREUS DETECTES AU COURS DE LA COMPILATION :

\*\* AVERTISSEMENT : L'INCOUTTE '10' DEFINIE, NON REFERENCIEE.

\*\* AVERTISSEMENT : L'INCOUTTE '14' DEFINIE, NON REFERENCIEE.

\*\* AVERTISSEMENT : L'INCOUTTE '18' DEFINIE, NON REFERENCIEE.  
COLLIZDP 24/08/90 10.43.07

```

1 * SEQUENT A+U+C
2 SUBROUTINE FUNKM
3 DIMENSION KOU(175,4),T(175),KOU(175),XT(175),XS(215),YS(215),TOL(R
4 *)
5 DIMENSION DE(8,3),STG(3,3)
6 DIMENSION KI(2,3,3),AL(1),R(1),GH(1),K(3),KS(3,3)
7 DIMENSION SI(3),SI(3),TF(3),FI(3)
8 DIMENSION FNA(4),DXY(4),DEF(4),A(2,2)
9 COMMON /A/NC(3,3),G(3,9),PL(3,9),N(2),XI(4),ETI(4),A(3),YE(4),
10 *YE(4),TE,FE,FI,JI,JJ,DETAJ
11 COMMON /B/US(420,22),DELTAJ,IS,NINC
12 DO 1 I=1,4
13 I=1,4) *XII(I))/4:
14 F1=(1.+A(I,J))*FI(I))/4:
15 F2=(1.+A(I,J))*FI(I))/4:
16 FXI(I)=4.*F1*F2
17 DEXI(I)=4.*FI*F2
18 DETI(I)=4.*FI(I)*F1
19 CONTINUE
20 MATRICIA J DETERMINANTUL SI INVERSA EI
21 DO 2 I=1,2
22 I=1,2
23 DO 3 J=1,2
24 AJ(I,J)=0.
25 COM2 I=1,4
26 AJ(1,1)=AJ(1,1)+DXY(I)*XL(I)
27 AJ(1,2)=AJ(1,2)+DXY(I)*YE(I)
28 AJ(2,1)=AJ(2,1)+DEXI(I)*XE(I)
29 AJ(2,2)=AJ(2,2)+DEXI(I)*YE(I)
30 CONTINUE
31 DETAJ=AJ(1,1)*AJ(2,2)-AJ(2,1)*AJ(1,2)
32 FI=AJ(1,1)/DETAJ
33 AJ(1,1)=AJ(2,2)/DETAJ
34 AJ(1,2)=-AJ(1,2)/DETAJ
35 AJ(2,1)=-AJ(2,1)/DETAJ
36 AJ(2,2)=FE/DETAJ-DEPLASARI 3
37 MATRIOLA DEPLASARI 3
38 DO 4 I=1,4
39 J=2*I
40 I=J-1
41 B(1,1)=AJ(1,1)*DXY(I(L))+AJ(1,2)*DEXI(L)
42 B(1,2)=0.
43 B(2,1)=0.
44 B(2,2)=AJ(2,1)*DXY(I(L))+AJ(2,2)*DEXI(L)
45 B(3,1)=0.
46 B(3,2)=0.
47 B(1,9)=0.
48 B(3,9)=0.
49 CONTINUE
50 FORMAT(9,13,15,9E12.5))
51 FORMAT(9,13,15,9E12.7))
52 FORMAT(9,13,15,9E12.7))
53 RETURN
54 END
55

```

ERREUS DETECTES AU COURS DE LA COMPILATION :

\*\* VARIABLES NON REFERENCIEES : KOU  
AL  
FI

ERREURS DETECTEES AU COURS DE LA COMPILATION :

\* AVERTISSEMENT : ETIQUETTE '10' DEFINIE, NON REFERENCIEE.

\* AVERTISSEMENT : ETIQUETTE '11' DEFINIE, NON REFERENCIEE.

\* AVERTISSEMENT : ETIQUETTE '12' DEFINIE, NON REFERENCIEE.  
 COL111ZDP 24/08/90 10.43.17

14

```

1 * SEGMENT A+P+U
2 SUBROUTINE PLZDL
3 DIMENSION I(175),A(175),T(175),ADU(175),DT(175),XS(215),YS(215),TCL(8
4 )
5 DIMENSION UF(8,3),SIG(3,3)
6 DIMENSION SI(3),SI2(3),TE(3),FI(3)
7 COMMON /ACF(3,3),B(3,7),PL(8,9),V(2),XII(4),ETI(4),A(3),YE(4),
8 *YE(4),TE,ACF,SI,SI2,DETAJ
9 COMMON /C/UC(4,3,2),MLIN,IS,MINC
10 COMMON /C/KS(430,22)
11 CALCULUF=0
12 RELEVANT=0
13 RELEVANT=0
14 RELEVANT=0
15 DO 101 N=1,MLIN
16 DO 102 L=1,3
17 IF (RS(N,L).EQ.0) GO TO 102
18 I=N+L-1
19 AL=RS(N,L)/DS(N,I)
20 J=0
21 DO 103 KK=L,IS
22 J=J+1
23 RS(I,J)=RS(I,J)-AL*RS(N,KK)
24 CONTINUE
25 RS(N,L)=AL
26 CONTINUE
27 CONTINUE
28 CLIN=IMAPLETERMENTI - YBERT
29 DO 104 L=1,MINC
30 DO 105 M=1,MLIN
31 IF (RS(N,L).EQ.0) GO TO 106
32 I=H+L-1
33 U(I,LL)=U(N,LL)-RS(N,L)*U(N,LL)
34 CONTINUE
35 U(N,LL)=U(N,LL)/RS(N,1)
36 CONTINUE
37 CONTINUE
38 SUBROUTINE
39 DO 107 L=1,MINC
40 DO 108 M=1,MLIN
41 N=ML+1-L
42 DO 109 I=L,IS
43 IF (RS(N,L).EQ.0) GO TO 109
44 KK=N+L-1
45 U(N,LL)=U(N,LL)-RS(N,L)*U(KK,LL)
46 CONTINUE
47 CONTINUE

```

FORTRAN 00.00

COL111ZDP 24/08/90 10.43.17

15

107 CONTINUE  
 WRITE(108,20)H

20 FORMAT(/3(/T5,6F15.6))  
 RETURN  
 END

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 FORTRAN 00.00

COL111ZDP 24/08/90 10.43.17

16

ERREURS DETECTEES AU COURS DE LA COMPILATION :

\* VARIABLES NON REFERENCIEES : KQ2  
 ST2  
 ST1

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IOL UE

FORTRAN 00.00

COL111ZDP 24/08/90 10.43.17

17









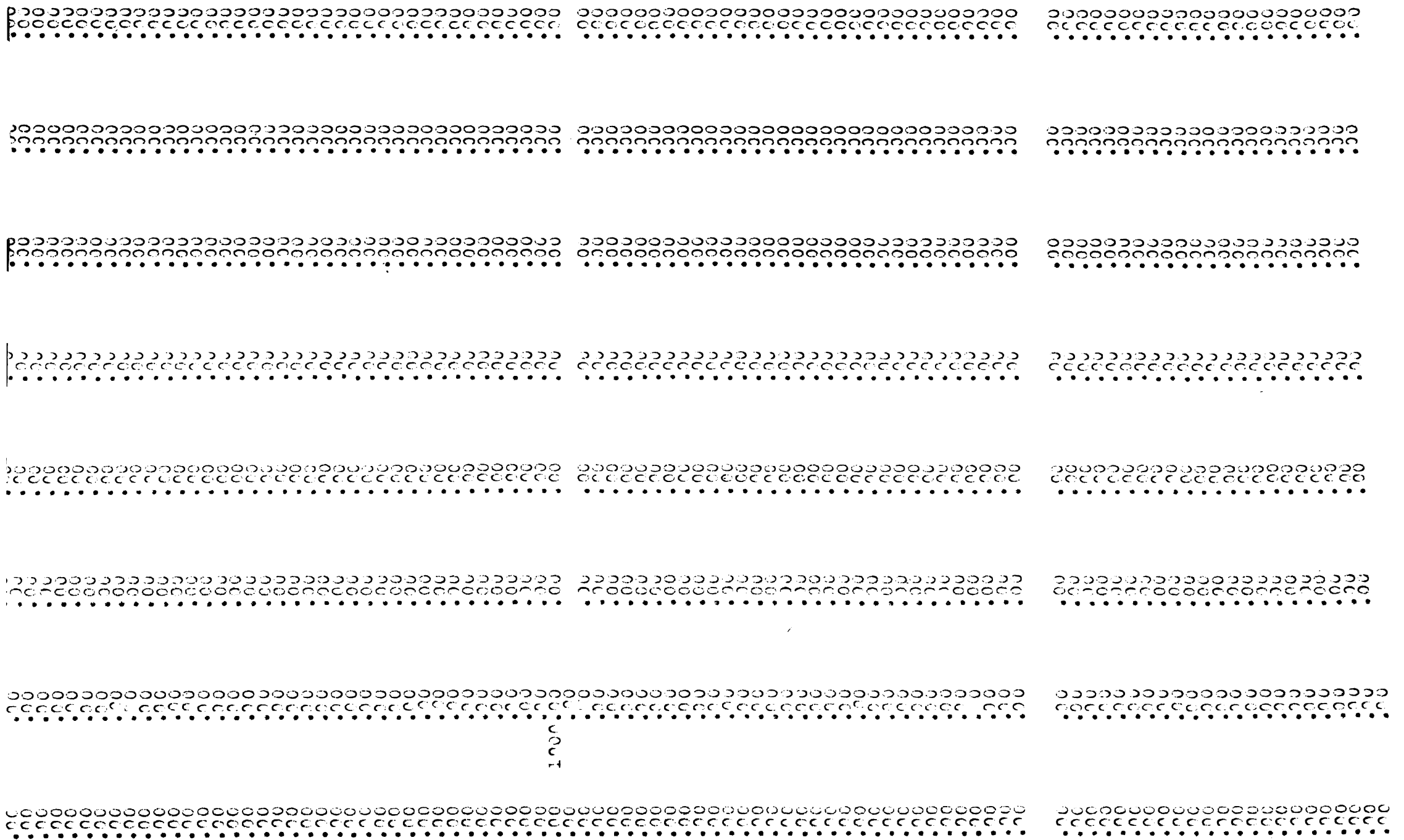












uou

111990E+04	131696E+04	225408E+03	131696E+04	225408E+03	132085E+04	260676E+03
112124E+04	130751E+04	44230E+03	130751E+04	44230E+03	132997E+04	729474E+03
112990E+04	129247E+04	950952E+03	129247E+04	950952E+03	129517E+04	124894E+04
99420E+03	993549E+03	222682E+03	993549E+03	222682E+03	992918E+03	251029E+03
99361E+03	101135E+04	421029E+03	101135E+04	421029E+03	102340E+04	717089E+03
102824E+04	102642E+04	842359E+03	102642E+04	842359E+03	102474E+04	125198E+04
76055E+03	762267E+03	213512E+03	762267E+03	213512E+03	760979E+03	231791E+03
77910E+03	792101E+03	363810E+03	792101E+03	363810E+03	803062E+03	479515E+03
811817E+03	814439E+03	825607E+03	814439E+03	825607E+03	813309E+03	125771E+04
540173E+03	541808E+03	197202E+03	541808E+03	197202E+03	549442E+03	200097E+03
561420E+03	574731E+03	342576E+03	574731E+03	342576E+03	589450E+03	648070E+03
591090E+03	592074E+03	8003204E+03	592074E+03	8003204E+03	592831E+03	126240E+04
340980E+03	337270E+03	169813E+03	337270E+03	169813E+03	339920E+03	270674E+03
346090E+03	358248E+03	294056E+03	358248E+03	294056E+03	353350E+03	621755E+03
360319E+03	428513E+03	799937E+03	428513E+03	799937E+03	439907E+03	100134E+04
27170E+02	218636E+03	143118E+03	218636E+03	143118E+03	215512E+03	148735E+03
212049E+03	203772E+03	354186E+03	203772E+03	354186E+03	201975E+03	718524E+03
102632E+03	114670E+03	662766E+03	114670E+03	662766E+03	103168E+03	463722E+02
965247E+03	968291E+03	122146E+03	968291E+03	122146E+03	963704E+03	274973E+03
396120E+03	404292E+03	60504E+03	404292E+03	60504E+03	405419E+03	95915E+02
206789E+02	1919194E+03	142241E+03	1919194E+03	142241E+03	136181E+02	681341E+02
126274E+02	107398E+02	373736E+02	107398E+02	373736E+02	697515E+01	609135E+01
102071E+01	264752E+01	404397E+03	264752E+01	404397E+03	140115E+01	745808E+02
314717E+01	111945E+02	103269E+03	111945E+02	103269E+03	140557E+02	688920E+02
697240E+01	415062E+01	305977E+01	415062E+01	305977E+01	312523E+01	627592E+01
181750E+01	82434E+01	12260E+01	82434E+01	12260E+01	428204E+02	535390E+02
316283E+01	702002E+01	702290E+02	702002E+01	702290E+02	150064E+02	535249E+02
167223E+02	175592E+02	330732E+01	175592E+02	330732E+01	143567E+02	478972E+01
273507E+02	245424E+01	017329E+01	245424E+01	017329E+01	173825E+02	244724E+02
710370E+02	442131E+01	436471E+01	442131E+01	436471E+01	130825E+02	354467E+02
194974E+02	219293E+02	235935E+02	219293E+02	235935E+02	227028E+02	296002E+01
303686E+02	264016E+02	20090E+02	264016E+02	20090E+02	192355E+02	172125E+02
94899E+01	191001E+01	94899E+02	191001E+01	94899E+02	123950E+02	170858E+02
202544E+02	49592E+02	115567E+02	49592E+02	115567E+02	277410E+02	144915E+01
301557E+02	162832E+02	771460E+01	162832E+02	771460E+01	402024E+02	215954E+01
110370E+02	702007E+01	165434E+01	702007E+01	165434E+01	110493E+02	158346E+01
202150E+02	262021E+02	309567E+01	262021E+02	309567E+01	201662E+02	01174E-12
272330E+02	169452E+02	146275E+01	169452E+02	146275E+01	204415E+02	114950E+02
123780E+02	199696E+01	170056E+02	199696E+01	170056E+02	951125E+01	213579E+02
195550E+02	164178E+02	171493E+02	164178E+02	171493E+02	903855E+02	20032E+01
26276E+02	219230E+02	320323E+02	219230E+02	320323E+02	194831E+02	236344E+02
138584E+02	438952E+01	253691E+02	438952E+01	253691E+02	714949E+01	435409E+02
17620E+02	465772E+02	340913E+02	465772E+02	340913E+02	279950E+02	910521E+01
143450E+02	155512E+02	480949E+01	155512E+02	480949E+01	167618E+02	230193E+02
149921E+02	796950E+01	534520E+01	796950E+01	534520E+01	521740E+01	701148E+02
128900E+02	193186E+02	534324E+02	193186E+02	534324E+02	192709E+02	211012E+02
313102E+01	416265E+01	629926E+01	416265E+01	629926E+01	997530E+01	265482E+02
140614E+02	111506E+02	638319E+01	111506E+02	638319E+01	599435E+01	103132E+03
150052E+01	279447E+01	745578E+02	279447E+01	745578E+02	164397E+01	402486E+02
80620E+01	107658E+02	671847E+01	107658E+02	671847E+01	136530E+02	278256E+02
135044E+02	119928E+02	680757E+02	119928E+02	680757E+02	200534E+02	142059E+03
252763E+02	201242E+02	057830E+02	201242E+02	057830E+02	081283E+02	664460E+02
104108E+03	905414E+02	274759E+01	905414E+02	274759E+01	962702E+02	72242E+03
102431E+03	113749E+02	465481E+01	113749E+02	465481E+01	263551E+03	781503E+03
263919E+03	07509E+03	637354E+03	07509E+03	637354E+03	115202E+03	255778E+03
214231E+03	217234E+03	149764E+03	217234E+03	149764E+03	225909E+03	142729E+03
433268E+03	421607E+03	102344E+04	421607E+03	102344E+03	549814E+03	818647E+03
353791E+03	350992E+03	635198E+03	350992E+03	635198E+03	343302E+03	296152E+03
37786E+03	325742E+03	171988E+03	325742E+03	171988E+03	339903E+03	171334E+03
590250E+03	309478E+01	129085E+04	309478E+01	129085E+04	569159E+03	825081E+03
584286E+02	373082E+03	600344E+03	373082E+03	600344E+03	540802E+03	245500E+03
548900E+02	541945E+02	204397E+03	541945E+02	204397E+03	540802E+03	200558E+01
817031E+03	818011E+03	128602E+04	818011E+03	128602E+04	815577E+03	842633E+03
807086E+03	796074E+03	691185E+03	796074E+03	691185E+03	739724E+03	285125E+03
771711E+03	765934E+02	233484E+03	765934E+02	233484E+03	764544E+03	218125E+03
103385E+04	110355E+04	127992E+04	110355E+04	127992E+04	103737E+04	858265E+03
103742E+04	102012E+04	748991E+03	102012E+04	748991E+03	100242E+04	425959E+03
100123E+04	100157E+04	253152E+03	100157E+04	253152E+03	100241E+04	228120E+03
111307E+04	121022E+04	127676E+04	121022E+04	127676E+04	130542E+04	866929E+03

•13137L+04	•121696E+04	-•05071E+02	•34095E+04	-•200078E+03
•132134E+04	•120575E+04	-•69723E+03	•120997E+04	-•720972E+03
•132900E+04	•129347E+04	-•01973E+03	•129517E+04	-•124324E+04
•90420E+04	•903549E+03	-•00141E+02	•992919E+03	-•251009E+03
•90200E+04	•101135E+04	-•80090E+03	•102340E+04	-•717089E+03
•102024E+04	•102344E+04	-•07570E+03	•102474E+04	-•125188E+04
•75095E+04	•762003E+03	-•84595E+02	•750072E+03	-•231791E+03
•77910E+04	•702103E+03	-•59020E+03	•003002E+03	-•679513E+03
•811017E+04	•814430E+03	-•67013E+03	•013309E+03	-•125771E+04
•540173E+04	•541809E+03	-•70743E+02	•549442E+03	-•203007E+03
•561430E+04	•574331E+03	-•81914E+03	•592450E+03	-•648070E+04
•501090E+04	•50274E+03	-•00445E+03	•592301E+03	-•122240E+04
•340000E+04	•377370E+03	-•50814E+02	•339930E+03	-•170674E+03
•340050E+04	•350229E+03	-•49490E+03	•353330E+03	-•621733E+03
•350191E+04	•408517E+03	-•00307E+03	•439907E+03	-•100134E+04
•227170E+04	•194356E+03	-•53000E+02	•415512E+03	-•148733E+03
•212040E+04	•203730E+03	-•40007E+03	•204976E+03	-•718524E+03
•102533E+04	•114670E+03	-•10403E+03	•103168E+03	-•460722E+02
•965247E+04	•003911E+03	-•19805E+03	•103704E+03	-•274973E+03
•396171E+04	•494970E+03	-•40004E+03	•453419E+02	-•05911E+02
•206709E+04	•119194E+03	-•10020E+03	-•130181E+03	-•681341E+02
-•126746E+04	-•107309E+03	-•10711E+02	-•097516E+01	•605135E+01
•102071E+04	•244732E+03	-•34057E+02	-•140116E+01	-•746808E+02
•314717E+04	•111045E+03	-•10001E+03	•140557E+02	-•688920E+02
•697740E+04	•450027E+03	-•103047E+02	•514523E+01	•623592E+01
-•101750E+04	-•404344E+03	-•20893E+02	-•120264E+02	-•535320E+02
-•316287E+04	•702000E+03	-•69590E+02	•150004E+02	-•535249E+02
•167722E+04	•455221E+03	-•10602E+02	•145667E+02	•478073E+01
-•272507E+04	-•423644E+03	-•10003E+02	-•173892E+02	-•241724E+02
-•710230E+04	-•440137E+03	-•43690E+02	-•130825E+02	-•354447E+02
•104974E+04	•193371E+03	-•14049E+02	•227028E+02	•296000E+01
-•303586E+04	-•240144E+03	-•00703E+01	-•193235E+02	-•172103E+02
-•948990E+04	•201001E+03	-•21092E+02	•123393E+02	-•17038E+02
•202544E+04	•405327E+03	-•00100E+01	•771109E+03	•144910E+01
-•301557E+04	-•702007E+03	-•10403E+01	-•404024E+03	-•219940E+01
-•110170E+04	•702007E+03	-•43416E+01	•110493E+03	•158346E+01
•202150E+04	•620210E+03	•10000E+01	•001603E+02	•011174E+02
-•272300E+04	-•240450E+03	•64007E+01	-•504416E+02	•114950E+02
-•133780E+04	-•109496E+03	•10100E+02	•951125E+01	•213579E+02
•105550E+04	•264178E+03	•00000E+01	•503036E+02	-•200364E+01
-•206070E+04	-•490330E+03	•15000E+02	-•794831E+02	•236344E+02
-•138584E+04	•438050E+03	•65973E+02	•714040E+01	•435409E+02
•176200E+04	•609115E+03	•10273E+02	•473953E+02	-•510521E+01
-•143450E+04	-•480949E+03	•10591E+02	-•167618E+02	•350103E+02
-•149821E+04	•834520E+03	•694760E+02	•521740E+01	•707148E+02
•128000E+04	•534524E+03	•70011E+02	•184709E+02	-•111012E+02
-•131070E+04	-•62926E+03	•10004E+01	-•087830E+01	•065442E+02
-•140614E+04	•638219E+03	•10001E+01	-•309435E+01	•103122E+03
•150050E+04	•745578E+03	•24400E+02	-•150597E+01	-•402486E+02
•806200E+04	•671047E+03	•10681E+02	•139630E+02	•978256E+02
•135044E+04	•600757E+03	•10000E+03	-•100534E+02	•140053E+03
-•252760E+04	•057030E+03	•40574E+02	-•081202E+02	-•664460E+02
-•104109E+04	•274759E+03	•10793E+03	-•96270E+02	•722491E+03
-•102431E+04	•455481E+03	•104818E+03	-•255551E+03	•781503E+03
-•263019E+04	•637354E+03	•29703E+03	-•414520E+03	•255778E+03
-•214231E+04	•147784E+03	•86673E+02	-•143709E+03	-•143709E+03
-•433366E+04	•102344E+04	•05003E+03	-•349814E+03	•818647E+03
-•353791E+04	•635198E+03	•44702E+03	-•543302E+03	•296152E+03
-•337786E+04	•171986E+03	•00037E+02	-•239903E+03	-•171534E+03
-•590250E+04	•129085E+04	•03503E+03	-•589157E+03	•025001E+03
-•584266E+04	•600344E+03	•40933E+03	-•560392E+03	•245500E+03
-•548060E+04	•294397E+03	•70603E+02	-•540802E+03	-•200568E+03
-•817031E+04	•128002E+04	•09052E+03	-•613577E+03	•842633E+03
-•807084E+04	•691185E+03	•50000E+03	-•733726E+03	•385123E+03
-•771711E+04	•232481E+03	•00050E+02	-•764544E+03	-•218125E+03
-•103236E+04	•127992E+04	•05034E+03	-•103737E+04	•858243E+03
-•103743E+04	•748991E+03	•57208E+03	-•100243E+04	•425959E+03
-•100127E+04	•253152E+03	•85713E+02	-•130641E+04	-•029020E+03
-•111070E+04	•127676E+04	•099170E+03	•099170E+03	•866929E+03





ELEMENTUL 10  
 25051E+01 10429E+01  
 82625E+00 17323E+00  
 85230E+00 13954E+01  
 20987E+01 52531E+00  
 12587E+01 18479E+00  
 16924E+01 14719E+00  
 13504E+01 10719E+00  
 166F0E+01 22907E+01

ELEMENTUL 11  
 49127E+01 17301E+00  
 19813E+01 20013E+01  
 84573E+00 47390E+00  
 40847E+01 57613E+00  
 15726E+01 40434E+01  
 37571E+01 22300E+01  
 52754E+01 35145E+01  
 27015E+01 55979E+01

ELEMENTUL 12  
 35701E+01 14060E+01  
 40445E+01 13401E+01  
 62187E+01 12133E+01  
 36612E+01 11001E+00  
 63608E+01 34757E+00  
 36543E+01 73357E+00  
 50287E+01 0707E+00  
 64030E+01 48053E+00

ELEMENTUL 13  
 30005E+01 30142E+00  
 45852E+01 44319E+00  
 61701E+01 20200E+00  
 30488E+01 15379E+00  
 62105E+01 25770E+00  
 30991E+01 25390E+00  
 46819E+01 40205E+00  
 62689E+01 55008E+00

ELEMENTUL 14  
 10509E+01 05274E+00  
 37053E+01 29299E+01  
 26924E+01 11991E+01  
 27087E+01 33076E+01  
 19346E+01 45909E+00  
 34665E+01 29340E+01  
 11450E+01 16978E+01  
 11749E+01 33000E+01

ELEMENTUL 15  
 27197E+00 16791E+00  
 89306E+01 10274E+01  
 20379E+01 22500E+01  
 2381E+00 16910E+00  
 16861E+01 16309E+01  
 97560E+00 46911E+00  
 17958E+00 33743E+00  
 12343E+01 16439E+01

ELEMENTUL 16  
 5455E+00 00347E+00  
 6222E+00 07951E+01  
 8200E+00 09405E+00  
 15601E+00 59197E+00  
 4245E+00 01099E+00  
 24065E+00 05049E+00  
 10289E+00 00067E+01  
 34912E+01 53724E+00

ELEMENTUL 17  
 15585E+01 27120E+01  
 15406E+01 12513E+01  
 15408E+01 21843E+01  
 57908E+00 22100E+00  
 56235E+00 22200E+01  
 30852E+00 13999E+01  
 40735E+00 23583E+01  
 41614E+00 23583E+01

ELEMENTUL 18  
 31516E+01 30423E+01  
 26782E+01 12909E+01  
 22047E+01 46156E+00  
 25677E+01 59170E+00  
 16205E+01 59708E+00  
 19834E+01 10303E+01  
 15099E+01 70413E+00  
 10364E+01 10364E+00

ELEMENTUL 19  
 42458E+01 13052E+01  
 42458E+01 13052E+01

•475557E+01	•17334E+02	•10810E+00
•39143E+01	•10373E+02	•12929E+00
•39254E+01	•10391E+02	•10851E+00
•35827E+01	•12031E+02	•12851E+00
•35901E+01	•12040E+02	•18754E+00
•34937E+01	•12048E+02	•7070E+00

ELEMENTUL 20

•42759E+01	•11992E+02	•7503E+00
•39919E+01	•11949E+02	•11052E+00
•37065E+01	•12009E+02	•3429E+00
•42661E+01	•11946E+02	•3540E+00
•36958E+01	•12060E+02	•9190E+00
•42552E+01	•12009E+02	•9091E+00
•39702E+01	•12057E+02	•9626E+00
•36850E+01	•12114E+02	•90507E+00

ELEMENTUL 21

•29050E+01	•12270E+02	•1500E+01
•29684E+01	•12257E+02	•16747E+01
•30311E+01	•12245E+02	•9510E+00
•31804E+01	•12897E+02	•24628E+01
•33058E+01	•10872E+02	•3920E+00
•34545E+01	•95240E+02	•24973E+01
•35177E+01	•95114E+02	•16432E+01
•35804E+01	•94988E+02	•1194E+00

ELEMENTUL 22

•80908E+00	•10053E+02	•2709E+01
•16206E+01	•98907E+02	•16957E+01
•23322E+01	•97289E+02	•42055E+00
•13342E+01	•79217E+02	•27545E+01
•28573E+01	•75630E+02	•20410E+00
•16502E+01	•50025E+02	•15387E+01
•24706E+01	•56401E+02	•12929E+00
•32823E+01	•54778E+02	•1229E+01

ELEMENTUL 23

•66040E+00	•62663E+01	•1961E+01
•28627E+00	•61916E+01	•57529E+00
•87646E+01	•61167E+01	•745E+00
•21904E+00	•40648E+01	•17464E+01
•22025E+00	•32153E+01	•16525E+02
•50427E+00	•28638E+01	•16965E+00
•96826E+00	•17891E+01	•17579E+00
	•17141E+01	•94305E+00

ELEMENTUL 24

•24001E+00	•19556E+01	•19028E+00
•40089E+00	•10879E+01	•15921E+00
•56186E+00	•20203E+01	•90465E+00
•12364E+00	•13754E+00	•17209E+00
•10910E+00	•20180E+00	•51883E+00
•48727E+00	•16027E+01	•21701E+00
•32639E+00	•16487E+01	•18750E+00
•16553E+00	•16162E+01	•73302E+00

ELEMENTUL 25

•96100E+00	•93222E+01	•38626E+01
•16449E+01	•94588E+01	•19170E+01
•23279E+01	•95954E+01	•12951E+00
•96352E+00	•25004E+01	•42278E+01
•48727E+00	•27729E+01	•13422E+00
•10828E+00	•41847E+01	•45925E+01
•40082E+00	•40402E+01	•40899E+00

ELEMENTUL 26

•54853E+00	•32582E+01	•51054E+01
•18400E+01	•35982E+01	•26001E+01
•31495E+01	•33381E+01	•97272E+00
•16348E+00	•74188E+01	•54522E+01
•24372E+00	•68986E+02	•17705E+01
•82492E+00	•10979E+02	•17900E+01
•17252E+01	•10719E+02	•1526E+01
	•10459E+02	•15263E+01

ELEMENTUL 27

•14205E+01	•10520E+02	•3971E+01
•27040E+01	•10264E+02	•17102E+01
•30876E+01	•10007E+02	•41936E+01
•86118E+01	•13317E+02	•93304E+01
•34284E+01	•12803E+02	•38344E+00
•30186E+00	•16183E+02	•40817E+01
•15854E+01	•15857E+02	•44083E+01
•28690E+01	•15600E+02	•72589E+00

ELEMENTUL 28

•25515E+01	•15963E+02	•1599E+01
•30573E+01	•15562E+02	•14970E+01
•35621E+01	•15461E+02	•15050E+01
•26025E+01	•15409E+02	•15050E+01
•36141E+01	•15206E+02	•15192E+01



•31502E+01	•15053E+02	•12175+01
•36650E+01	•14951E+02	•17064E+01
ELEMENTUL 22		
•66243E+00	•15617E+02	•7896E+01
•82649E+00	•15519E+02	•47118E+01
•23153E+01	•15221E+02	•45349E+01
•29907E+01	•12355E+02	•63916E+01
•30077E+01	•11760E+02	•22379E+01
•72221E+00	•88937E+01	•50947E+01
•22111E+01	•85959E+01	•39177E+01
•37000E+01	•82981E+01	•19408E+01
ELEMENTUL 30		
•34515E+01	•97284E+01	•27125E+01
•11986E+01	•92779E+01	•43079E+01
•10544E+01	•68274E+01	•23446E+01
•27970E+01	•64561E+01	•54705E+01
•17087E+01	•55550E+01	•17408E+01
•21426E+01	•31841E+01	•30079E+01
•11023E+00	•27333E+01	•31064E+01
•23632E+01	•27830E+01	•11431E+01
ELEMENTUL 31		
•87799E+01	•27381E+01	•10235E+01
•65842E+01	•27423E+01	•97170E+00
•43594E+01	•27468E+01	•50107E+00
•26917E+00	•18751E+01	•15415E+01
•54066E+00	•18854E+01	•50824E+00
•54066E+00	•18057E+00	•11105E+01
•50728E+00	•58710E+00	•17640E+01
•47415E+00	•59375E+00	•51875E+00
ELEMENTUL 32		
•27642E+01	•13579E+00	•16819E+00
•31944E+00	•62457E+00	•89780E+00
•13931E+01	•68579E+00	•99161E+00
•31858E+01	•12731E+01	•95100E+00
•66606E+01	•42138E+00	•95405E+00
•50605E+01	•40859E+01	•20327E+01
•11940E+00	•31229E+00	•40881E+00
•55586E+00	•13459E+02	•32745E+01
•11982E+01	•13587E+02	•15905E+01
•18406E+01	•13716E+02	•12849E+00
•11721E+00	•48188E+01	•58413E+00
•29000E+01	•50758E+01	•43252E+01
•22577E+01	•38209E+01	•26273E+01
•16153E+01	•36924E+01	•80975E+00
ELEMENTUL 34		
•23024E+01	•37013E+01	•46320E+01
•80116E+00	•34011E+01	•30229E+01
•70012E+00	•31008E+01	•14127E+01
•10404E+00	•77267E+01	•52325E+01
•39120E+01	•71262E+01	•20132E+01
•24113E+01	•11752E+02	•59540E+01
•91001E+00	•11452E+02	•42239E+01
ELEMENTUL 35		
•40893E+01	•11787E+02	•39455E+01
•13517E+01	•11240E+02	•20787E+01
•13861E+01	•10922E+02	•21100E+00
•50227E+01	•15454E+02	•50409E+01
•45267E+00	•15359E+02	•13079E+01
•59551E+01	•21121E+02	•61557E+01
•32185E+01	•20574E+02	•42099E+01
•48074E+00	•20020E+02	•24071E+01
ELEMENTUL 36		
•84624E+01	•21623E+02	•23042E+01
•33467E+01	•20599E+02	•23118E+01
•17689E+01	•19576E+02	•23195E+01
•87162E+01	•22892E+02	•25700E+00
•15151E+01	•20845E+02	•12732E+01
•89700E+01	•24161E+02	•12683E+01
•38544E+01	•22138E+02	•12807E+01
•12612E+01	•22115E+02	•77303E+00
ELEMENTUL 37		
•17430E+02	•25853E+02	•17952E+02
•97421E+01	•24315E+02	•11299E+02
•20546E+01	•22778E+02	•46457E+01
•16933E+02	•11932E+02	•22837E+02
•60657E+01	•94715E+01	•27857E+01
•78692E+01	•26508E+01	•94165E+01
•27442E+01	•16259E+01	•40811E+01
•23808E+01	•60085E+00	•54570E+00

114100E+01	101	84869E+00	66909E+00	-	66909E+00
112061E+01	101	13183E+01	158E+00	-	158E+00
117929E+01	101	14350E+01	15E+00	-	15E+00
110927E+01	101	10598E+01	1E+00	-	1E+00
118034E+01	101	14833E+01	1E+00	-	1E+00
110568E+01	101	12712E+01	3E+01	-	3E+01
112309E+01	101	14868E+01	1E+01	-	1E+01
118140E+01	101	15410E+01	1E+01	-	1E+01

ELEMENTUL 50

19424E+00	100	15348E+02	998E+01	20998E+01	20998E+01
17940E+00	100	15425E+02	5E+00	6055E+00	6055E+00
9645E+00	100	15502E+02	1E+01	1408E+01	1408E+01
1640E+01	101	6131E+01	3E+01	2463E+01	2463E+01
17877E+00	100	938E+01	4E+01	1260E+01	1260E+01
13492E+01	101	30084E+01	1E+01	3492E+01	3492E+01
13107E+01	101	30314E+01	1E+01	1187E+01	1187E+01
12722E+01	101	29314E+01	1E+01	1115E+01	1115E+01

ELEMENTUL 49

130574E+01	101	31785E+01	1E+01	345E+01	345E+01
12041E+01	101	29952E+01	1E+01	1310E+01	1310E+01
1245E+01	101	28119E+01	1E+01	3373E+01	3373E+01
4156E+01	101	74740E+01	1E+01	3751E+01	3751E+01
2828E+01	101	71080E+02	1E+02	344E+01	344E+01
56759E+01	101	11771E+02	1E+02	4044E+01	4044E+01
47504E+01	101	11587E+02	1E+02	1968E+01	1968E+01
38430E+01	101	11404E+02	1E+02	25124E+00	25124E+00

ELEMENTUL 48

56970E+01	101	11775E+02	1E+02	929E+01	929E+01
4958E+01	101	11007E+02	1E+02	9059E+00	9059E+00
40108E+01	101	11439E+02	1E+02	2130E+01	2130E+01
6242E+01	101	17868E+02	1E+02	4214E+01	4214E+01
5238E+01	101	17532E+02	1E+02	1871E+01	1871E+01
8134E+01	101	23961E+02	1E+02	4409E+01	4409E+01
7295E+01	101	23703E+02	1E+02	1443E+01	1443E+01
6456E+01	101	22625E+02	1E+02	1602E+01	1602E+01

ELEMENTUL 42

2568E+01	101	41820E+02	1E+02	4407E+01	4407E+01
31973E+01	101	22973E+02	1E+02	2817E+01	2817E+01
8060E+01	100	24120E+02	1E+02	1004E+02	1004E+02
3214E+01	101	36570E+02	1E+02	2502E+01	2502E+01
11853E+01	101	38576E+02	1E+02	188E+00	188E+00
3211E+01	101	50720E+02	1E+02	7171E+01	7171E+01
8077E+01	101	51873E+02	1E+02	907E+01	907E+01
1474E+02	102	51026E+02	1E+02	173E+02	173E+02

ELEMENTUL 43

79064E+00	100	15432E+02	1E+02	1507E+01	1507E+01
4867E+00	100	15372E+02	1E+02	7424E+00	7424E+00
1868E+01	101	15311E+02	1E+02	3075E+01	3075E+01
10424E+01	101	26680E+01	1E+01	1313E+01	1313E+01
1645E+01	101	61460E+01	1E+01	3287E+01	3287E+01
28754E+01	101	28983E+01	1E+01	1206E+01	1206E+01
3173E+01	101	29587E+01	1E+01	1170E+01	1170E+01
3479E+01	101	30191E+01	1E+01	3461E+01	3461E+01

ELEMENTUL 44

26128E+01	101	28458E+01	1E+01	7583E+00	7583E+00
3279E+01	101	2979E+01	1E+01	1090E+01	1090E+01
3944E+01	101	31121E+01	1E+01	34964E+01	34964E+01
4636E+01	101	71006E+01	1E+01	5453E+00	5453E+00
479E+01	101	7366E+01	1E+01	370E+01	370E+01
42147E+01	101	11355E+02	1E+02	322E+01	322E+01
49804E+01	101	11488E+02	1E+02	1795E+01	1795E+01
56460E+01	101	11622E+02	1E+02	3022E+01	3022E+01

ELEMENTUL 45

46157E+01	101	11416E+02	1E+02	2212E+01	2212E+01
51418E+01	101	11521E+02	1E+02	900E+00	900E+00
56680E+01	101	11626E+02	1E+02	4014E+01	4014E+01
5861E+01	101	17643E+02	1E+02	2044E+01	2044E+01
6034E+01	101	17853E+02	1E+02	4182E+01	4182E+01
710E+01	101	23870E+02	1E+02	1859E+01	1859E+01
7632E+01	101	23975E+02	1E+02	1337E+01	1337E+01
81588E+01	101	24080E+02	1E+02	4351E+01	4351E+01

ELEMENTUL 45

92379E+01	101	24296E+02	1E+02	9878E+01	9878E+01
3246E+01	101	23178E+02	1E+02	272E+01	272E+01
2546E+01	101	3860E+02	1E+02	443E+01	443E+01
3177E+02	102	3625E+02	1E+02	1763E+01	1763E+01
1496E+02	102	3292E+02	1E+02	1548E+01	1548E+01
19071E+01	101	5174E+02	1E+02	649E+02	649E+02
3180E+01	101	5056E+02	1E+02	663E+01	663E+01

ELEMENTUL 47

1541E+01	101	1341E+02	1E+02	1577E+00	1577E+00
4080E+00	100	1329E+02	1E+02	184E+01	184E+01
1803E+00	100	1317E+02	1E+02	35E+02	35E+02

13478E+01	47590E+01	40959E+01
18257E+01	34384E+01	11192E+01
24256E+01	35386E+01	28029E+01
30273E+01	36588E+01	44866E+01
ELEMENTUL 48		
13045E+01	30506E+01	45972E+01
13759E+01	33284E+01	32730E+01
17649E+01	36662E+01	48488E+01
27408E+01	69902E+01	22528E+01
35508E+01	75458E+01	54044E+01
15608E+01	10930E+02	28084E+01
22517E+01	11208E+02	43342E+01
43407E+01	11485E+02	59600E+01
ELEMENTUL 49		
15701E+00	10586E+02	38452E+00
24239E+01	11066E+02	23327E+01
45417E+00	11545E+02	40787E+01
75685E+01	15205E+02	13443E+01
55885E+01	16164E+02	50394E+01
16908E+01	19824E+02	13040E+01
40899E+01	20304E+02	41515E+01
64803E+01	20783E+02	57922E+01
ELEMENTUL 50		
12651E+00	10460E+02	37876E+01
42470E+01	20335E+02	28954E+01
86207E+00	21210E+02	20032E+01
31950E+01	21691E+02	20392E+01
90660E+00	22440E+02	25373E+00
76562E+00	23921E+02	28871E+00
51593E+01	24790E+02	20349E+00
95119E+01	25671E+02	14957E+01
13222E+02	22654E+01	11320E+02
ELEMENTUL 51		
34511E+01	24458E+02	71794E+01
10813E+02	25929E+02	12210E+02
18257E+00	27419E+02	17241E+02
93577E+02	11882E+02	42191E+01
15790E+01	14842E+02	14291E+02
58513E+01	60490E+00	12589E+01
13222E+02	78233E+00	92929E+01
13222E+02	22654E+01	11320E+02
ELEMENTUL 52		
36670E+01	35443E+00	96052E+00
47973E+01	17077E+01	74858E+00
37700E+01	38858E+00	53081E+00
57948E+01	88408E+00	17035E+01
38789E+01	14109E+00	12798E+01
20214E+01	14137E+01	24465E+01
16388E+00	10422E+01	22147E+01
16388E+00	07067E+00	20223E+01
ELEMENTUL 53		
15450E+01	94715E+00	47666E+00
84727E+01	65484E+00	33401E+00
13769E+01	35252E+00	28133E+00
15000E+01	71554E+00	10708E+00
14222E+01	13090E+00	29329E+00
14527E+01	48300E+00	89264E+00
70279E+02	19158E+00	78527E+00
14625E+01	10074E+00	87793E+00
ELEMENTUL 54		
30936E+00	25504E+00	54857E+00
60050E+01	18116E+00	50861E+00
42946E+00	10728E+00	45462E+00
26740E+00	45261E+01	28304E+00
47142E+00	10250E+00	15913E+00
22544E+00	16452E+00	42438E+01
14396E+00	23840E+00	84433E+00
51317E+00	31228E+00	12840E+00
ELEMENTUL 55		
10826E+01	10604E+02	82099E+00
13977E+01	98865E+01	23181E+01
81179E+00	97893E+01	26152E+01
58652E+00	30181E+01	12887E+01
59531E+00	27837E+01	40339E+01
81058E+00	30674E+01	17285E+01
13965E+01	40846E+01	32569E+01
10824E+01	42018E+01	45527E+01
ELEMENTUL 56		
20285E+01	33996E+01	21105E+01
94245E+00	36168E+01	37209E+01
14363E+01	38340E+01	51507E+01
32355E+01	89249E+01	57449E+01
64869E+00	73594E+02	51793E+01
18413E+00	10450E+02	31895E+01
46763E+00	10667E+02	45881E+02



30091E+01	12099E+02	25344E+00
30624E+01	12473E+02	75097E+00
30424E+01	12510E+02	90939E+00
31024E+01	12323E+02	72589E+00
31805E+01	12340E+02	79458E+00
31076E+01		85328E+00
ELEMENTUL 67		
20224E+01	12516E+02	24441E+01
16050E+01	12240E+02	32612E+01
99980E+01	12764E+02	40783E+01
26360E+01	10473E+02	21958E+01
19944E+01	10721E+02	38900E+01
30440E+01	85303E+01	10475E+01
24238E+01	85543E+01	17649E+01
19010E+01	85785E+01	35817E+01
ELEMENTUL 68		
10414E+01	88303E+01	26927E+01
39903E+01	90313E+01	35880E+01
96339E+01	92313E+01	44949E+01
14944E+01	65659E+01	23819E+01
51014E+01	69665E+01	40989E+01
16473E+01	42003E+01	19808E+01
94509E+01	45003E+01	27869E+01
57209E+01	47013E+01	36930E+01
ELEMENTUL 69		
20152E+01	46315E+01	17425E+01
65970E+01	50120E+01	22909E+01
16109E+01	52379E+01	28574E+01
57026E+01	36104E+01	13820E+01
13338E+01	18442E+01	24769E+01
64833E+01	20343E+01	98159E+01
10223E+01	22247E+01	15390E+01
10595E+01		20964E+01
ELEMENTUL 70		
21916E+01	20578E+01	20254E+00
47474E+01	21068E+01	59746E+00
72910E+01	21598E+01	90241E+00
85751E+01	53313E+00	88571E+00
42575E+01	63516E+00	60844E+00
30068E+01	99149E+00	11529E+00
11923E+01	88950E+00	18954E+00
11923E+01	88951E+00	42447E+00
ELEMENTUL 71		
16977E+01	35099E+01	97422E+00
15438E+01	34797E+01	14554E+01
17970E+01	34495E+01	22364E+01
91257E+01	30539E+00	72503E+01
61022E+01	45574E+00	23571E+01
13161E+01	43007E+01	91573E+01
12264E+01	43308E+01	15966E+01
17014E+01	43610E+01	24773E+01
ELEMENTUL 72		
25747E+01	37821E+01	1835E+01
26973E+01	37875E+01	20481E+01
22200E+01	37839E+01	20127E+01
22424E+01	59535E+01	11745E+01
18079E+01	59444E+01	29036E+01
18328E+01	81150E+01	11950E+01
18554E+01	81105E+01	29946E+01
ELEMENTUL 73		
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35807E+01	77608E+01	10210E+01
36954E+01	77379E+01	15994E+01
31923E+01	91523E+01	45775E+00
34217E+01	91064E+01	15228E+01
30180E+01	10521E+02	38188E+00
30323E+01	10498E+02	92927E+00
31479E+01	10475E+02	14767E+01
ELEMENTUL 74		
36287E+01	10379E+02	56784E+00
36589E+01	10373E+02	53095E+00
36800E+01	10367E+02	40224E+00
35099E+01	10473E+02	57989E+00
36701E+01	10461E+02	50428E+00
35910E+01	10568E+02	50103E+00
35211E+01	10565E+02	55418E+00
35211E+01	10555E+02	51043E+00
ELEMENTUL 75		
31060E+01	10663E+02	12574E+01
29406E+01	10713E+02	27968E+01
25765E+01	10770E+02	23091E+01
22433E+01	95689E+01	23217E+01
21795E+01	96779E+01	23217E+01

32709C+01	85249E+01	15349E+01
301510+01	85774E+01	10222E+01
ELEMENTUL 75		
21809E+01	87443E+01	14613E+01
15954E+01	89712E+01	21101E+01
10119E+01	89780E+01	27280E+01
15050E+01	71234E+01	12280E+01
13353E+01	73572E+01	25247E+01
18292E+01	5F026E+01	90422E+00
22447E+01	56194E+01	25426E+01
16003E+01	57363E+01	22909E+01
ELEMENTUL 77		
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50419E+00	59496E+01	15449E+01
42259E+02	60675E+01	21520E+01
14879E+01	43124E+01	70129E+00
30817E+00	45483E+01	10169E+01
17917E+01	27932E+01	16512E+00
12015E+01	29111E+01	10730E+01
61201E+00	30229E+01	16807E+01
ELEMENTUL 78		
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19369E+00	31902E+01	58475E+00
45616E+00	32427E+01	90172E+00
47588E+01	11029E+01	32256E-01
49108E+01	12079E+01	78170E+00
88205E+00	93227E+00	14229E+00
62026E+00	879F2E+00	16469E+00
35779E+00	82701E+00	57167E+00
ELEMENTUL 79		
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12156E+01	16786E+01	75673E+00
12200E+01	16811E+01	13474E+00
74729E+00	12272E+01	17510E+00
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14222E+00	12309E+01	16852E+00
15442E+00	41281E+01	74722E+00
15661E+00	41257E+01	13279E+01
ELEMENTUL 80		
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25049E+01	36580E+01	89353E+00
27007E+01	36171E+01	15957E+01
10403E+01	34544E+01	10940E+00
23596E+01	33725E+01	1280E+01
15980E+01	70099E+01	17550E-01
18027E+01	71989E+01	72973E+00
20075E+01	71290E+01	14319E+01
ELEMENTUL 81		
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34342E+01	68426E+01	24901E+00
36934E+01	67966E+01	74013E+00
29505E+01	81163E+01	33379E+00
34170E+01	80244E+01	44840E+00
29401E+01	92441E+01	42540E+00
31713E+01	92983E+01	65668E-01
31713E+01	92524E+01	55679E+00
ELEMENTUL 82		
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37855E+01	91298E+01	52845E+00
38824E+01	91104E+01	50291E+00
36219E+01	94680E+01	89874E+00
39107E+01	94442E+01	43168E+00
35551E+01	98168E+01	73749E+00
ELEMENTUL 83		
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37489E+01	97781E+01	47041E+00
ELEMENTUL 84		
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34122E+01	98454E+01	98711E+00
32629E+01	98753E+01	12359E+01
36859E+01	91941E+01	27900E+00
33872E+01	92533E+01	11762E+00
39103E+01	85729E+01	61928E+00
36008E+01	86029E+01	86789E+00
35115E+01	86323E+01	11154E+01
ELEMENTUL 85		
29200E+01	87683E+01	88703E+00
24899E+01	88049E+01	90965E+00
30903E+01	88063E+01	14329E+01
24100E+01	74663E+01	25009E+00
30119E+01	75984E+01	15942E+01
26713E+01	62559E+01	11485E+00
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 15500E+00  
 14250E+00

171913E+00	17344E+01	17393E+00
13251E+01	16071E+01	13425E+01
12136E+01	16640E+01	16319E+00
119011E+01	16621E+01	19395E+00
ELEMENTUL 95		
35918E+00	83664E+00	57002E+00
62154E+00	88310E+00	16273E+00
89300E+00	93559E+00	14450E+00
47605E+00	12058E+01	77982E+00
45510E+00	12099E+01	34751E+01
19304E+00	31908E+01	98963E+00
16924E+01	31373E+01	58235E+00
16924E+01	31373E+01	17506E+00
ELEMENTUL 96		
61573E+00	30201E+01	15772E+01
17048E+01	29103E+01	10692E+01
17928E+00	27924E+01	16115E+00
31132E+01	45482E+01	16129E+01
14800E+01	43125E+01	60584E+00
79090E+00	60582E+01	31408E+01
50654E+00	50504E+01	25408E+01
11854E+01	58325E+01	91253E+00
ELEMENTUL 97		
16649E+01	57367E+01	2667E+01
17490E+01	56201E+01	26583E+01
28311E+01	55035E+01	98001E+00
17407E+01	70575E+01	55109E+01
25070E+01	71243E+01	22233E+01
10160E+01	80784E+01	27532E+01
15907E+01	88618E+01	21043E+01
21378E+01	87452E+01	14565E+01
ELEMENTUL 98		
30125E+01	65778E+01	20186E+01
32827E+01	65252E+01	15907E+01
35450E+01	84725E+01	11428E+01
28005E+01	95725E+01	11209E+01
25816E+01	95672E+01	10481E+01
28449E+01	10767E+02	27915E+01
31081E+01	10662E+02	13534E+01
ELEMENTUL 99		
36529E+01	10553E+02	1330E+00
36225E+01	10559E+02	55185E+00
35910E+01	10565E+02	50041E+00
35732E+01	10456E+02	50073E+00
36103E+01	10469E+02	57733E+00
36925E+01	10360E+02	48010E+00
36610E+01	10366E+02	52071E+00
36296E+01	10373E+02	56520E+00
ELEMENTUL 100		
31421E+01	10469E+02	14759E+01
30340E+01	10492E+02	92925E+00
29189E+01	10515E+02	59182E+00
31228E+01	91002E+01	15227E+00
31926E+01	91462E+01	42785E+00
36965E+01	77317E+01	15687E+01
34663E+01	77547E+01	10213E+01
34663E+01	77777E+01	47388E+00
ELEMENTUL 101		
1556E+01	80998E+01	8390E+01
18320E+01	81644E+01	20240E+01
18090E+01	81091E+01	11625E+01
22874E+01	59410E+01	28985E+01
22414E+01	59502E+01	11717E+01
27162E+01	37821E+01	20907E+01
26962E+01	37867E+01	20444E+01
26732E+01	37913E+01	21509E+01
ELEMENTUL 102		
16743E+00	43594E+01	24705E+01
17311E+00	43294E+01	16919E+01
13281E+00	42994E+01	91292E+00
61168E+00	46535E+00	23504E+01
11638E+00	40530E+00	70272E+00
13902E+01	34287E+01	23303E+01
15403E+01	34588E+01	14514E+01
16904E+01	34888E+01	67462E+00
ELEMENTUL 103		
11815E+00	89095E+00	40549E+00
10679E+00	94104E+00	1888E+00
30173E+00	90293E+00	11972E+00
42325E+00	63455E+00	67445E+01
72835E+00	50258E+00	87230E+00
47341E+00	21001E+01	90339E+00
		22629E+00



ELEMENTUL 104  
 --105025E+01  
 --190067E+00  
 --852217E+01  
 --132701E+00  
 --573701E+00  
 --160911E+00  
 --60473E+00  
 --23445E+01  
 --203429E+01  
 --184409E+01  
 --361039E+01  
 --323809E+01  
 --501419E+01  
 --482399E+01  
 --463399E+01

ELEMENTUL 105  
 --50644E+01  
 --95059E+00  
 --10519E+00  
 --10357E+00  
 --14938E+00  
 --95668E+00  
 --44540E+01  
 --10458E+01  
 --470269E+01  
 --460239E+01  
 --430219E+01  
 --690779E+01  
 --950729E+01  
 --903239E+01  
 --893239E+01

ELEMENTUL 106  
 --18104E+01  
 --24206E+01  
 --30497E+01  
 --14023E+01  
 --26403E+00  
 --99473E+01  
 --16114E+01  
 --22325E+01  
 --85794E+01  
 --85595E+01  
 --84317E+01  
 --10737E+02  
 --10472E+02  
 --12760E+02  
 --12617E+02  
 --12513E+02

ELEMENTUL 107  
 --30850E+01  
 --31949E+01  
 --33048E+01  
 --30513E+01  
 --30711E+01  
 --30117E+01  
 --31270E+01  
 --32375E+01  
 --12342E+02  
 --12320E+02  
 --12298E+02  
 --12551E+02  
 --12467E+02  
 --12679E+02  
 --12657E+02  
 --12635E+02

ELEMENTUL 108  
 --27069E+01  
 --24823E+01  
 --26941E+01  
 --36449E+01  
 --30703E+01  
 --30231E+01  
 --32349E+01  
 --34465E+01  
 --12786E+02  
 --12744E+02  
 --12744E+02  
 --10947E+02  
 --10866E+02  
 --10665E+02  
 --90236E+02  
 --89812E+02

ELEMENTUL 109  
 --81272E+00  
 --12002E+01  
 --16057E+01  
 --13759E+01  
 --21609E+01  
 --10471E+01  
 --23376E+01  
 --27341E+01  
 --45015E+01  
 --44321E+01  
 --23063E+01  
 --24079E+01  
 --11444E+01  
 --45443E+01  
 --31163E+01  
 --17070E+01

ELEMENTUL 110  
 --89719E+00  
 --52489E+00  
 --15250E+00  
 --17076E+00  
 --91549E+00  
 --12307E+01  
 --16111E+01  
 --12014E+01  
 --44303E+01  
 --43594E+01  
 --42849E+00  
 --90505E+00  
 --10549E+01  
 --60457E+01  
 --63202E+01  
 --63947E+01

ELEMENTUL 111  
 --11258E+00  
 --11354E+00  
 --15350E+00  
 --27939E+00  
 --31932E+00  
 --44620E+00  
 --46617E+00  
 --49613E+00  
 --72217E+00  
 --71817E+00  
 --71418E+00  
 --10940E+00  
 --11738E+00  
 --94099E+00  
 --94409E+00  
 --94805E+00

ELEMENTUL 112  
 --15828E+01  
 --11969E+01  
 --8079E+00  
 --16848E+00  
 --17030E+00  
 --17799E+01  
 --17890E+01  
 --99810E+01  
 --3947E+01  
 --1402E+01  
 --1013E+01  
 --16567E+01  
 --15064E+01  
 --14887E+01  
 --21204E+01  
 --20422E+01  
 --19641E+01

ELEMENTUL 113  
 --41103E+01  
 --25869E+01  
 --46961E+01  
 --42912E+01

55930E+00	16520E+01	21971E+01
47276E+01	56727E+01	5500E+01
57990E+01	47388E+01	51501E+01
53448E+01	87589E+01	85340E+01
30100E+00	92920E+01	52909E+01
67513E+00	79250E+01	40650E+01
ELEMENTUL 114		
85990E+01	77072E+01	99269E+01
10030E+01	74894E+01	49867E+01
20920E+01	72718E+01	91507E+01
10050E+01	11302E+02	72824E+01
11720E+01	11867E+01	95553E+01
19240E+00	15897E+02	76980E+01
83504E+00	15080E+02	58529E+01
23537E+00	16462E+02	40219E+01
ELEMENTUL 115		
75580E+00	15361E+02	60975E+00
15503E+01	16203E+02	89752E+00
23447E+01	16044E+02	60090E+00
75648E+01	16359E+02	11243E+01
23451E+00	16042E+02	11261E+01
75653E+01	16357E+02	14423E+01
15510E+01	16199E+02	14423E+01
23455E+01	15040E+02	14423E+01
ELEMENTUL 116		
10462E+01	15718E+02	56381E+01
27615E+00	15454E+02	37993E+01
15985E+01	16189E+02	31993E+01
42678E+00	13621E+02	41002E+01
22178E+00	13092E+02	41002E+01
19260E+00	10524E+02	15318E+01
15149E+01	10260E+02	55805E+01
29372E+01	99953E+01	53415E+01
11027E+01	11102E+01	11102E+01
ELEMENTUL 117		
15266E+01	10868E+02	99125E+01
44988E+00	10653E+02	45825E+01
62606E+00	10437E+02	31754E+01
82260E+01	73482E+01	55055E+01
13308E+01	60175E+01	57467E+01
11870E+00	38175E+01	51288E+01
95804E+00	36131E+01	37219E+01
20348E+01	33977E+01	22140E+01
ELEMENTUL 118		
10574E+01	41960E+01	45428E+01
13815E+01	40819E+01	41402E+01
80350E+00	39654E+01	37550E+01
55904E+00	27713E+01	40004E+01
59006E+00	30025E+01	10933E+01
82773E+00	97392E+01	16181E+01
14057E+01	98548E+01	22245E+01
19837E+01	99704E+01	33090E+00
ELEMENTUL 119		
51325E+00	31228E+00	17827E+00
14413E+00	23843E+00	84306E-01
22509E+00	16459E+00	42378E-01
47139E+00	10244E+00	15911E+00
42906E+00	45246E-01	25304E+00
60197E-01	10739E+00	45449E+00
30903E+00	18124E+00	50842E+00
25508E+00	25508E+00	54842E+00
ELEMENTUL 120		
14687E+01	10047E+00	67808E+00
80671E-02	19166E+00	78528E+00
ELEMENTUL 121		
14526E+01	48379E+00	69248E+00
14223E+01	13154E+00	29382E+00
14920E+01	71580E+00	10822E+00
18759E+01	56353E+00	29044E+00
84732E-01	65567E+00	38324E+00
15454E+01	94778E+00	47804E+00
ELEMENTUL 122		
16880E+00	67247E+00	0233E+01
20223E+01	19471E+01	23351E+01
38758E+01	14139E+01	24470E+01
62877E-01	14287E+00	12819E+01
37699E+01	88428E+00	17058E+01
43046E-01	38672E-01	54047E+00
18105E+01	16022E+01	75221E+00
35640E+01	35469E+00	95415E+00
ELEMENTUL 123		
13243E+02	22704E+01	11323E+02
58239E+01	78667E+00	63898E+01
15749E+01	69707E+00	13570E+01
92158E+00	14853E+02	14200E+01
17827E+00	15885E+02	4725E+01

-.34390E+01	-.24467E+02	.71920E+01
ELEMENTUL 123		
-.94700E+01	-.25674E+02	-.14989E+01
-.51141E+00	-.24803E+02	-.52908E+00
-.75818E+00	-.23931E+02	-.30075E+00
-.90201E+00	-.23424E+02	-.24347E+00
-.30320E+00	-.21682E+02	-.20421E+01
-.85702E+01	-.21175E+02	-.10859E+01
-.42143E+01	-.20303E+02	-.19357E+01
-.14145E+00	-.19432E+02	-.37855E+01
ELEMENTUL 124		
-.64670E+01	-.20753E+02	-.59819E+01
-.40616E+01	-.20473E+02	-.41392E+01
-.16611E+01	-.19703E+02	-.22949E+01
-.55404E+01	-.16145E+02	-.50215E+01
-.73945E+00	-.15184E+02	-.13347E+01
-.46107E+01	-.11536E+02	-.40015E+01
-.22192E+01	-.11056E+02	-.32179E+01
-.19271E+00	-.10576E+02	-.37455E+00
ELEMENTUL 125		
-.42151E+01	-.11456E+02	-.50234E+01
-.28761E+01	-.11188E+02	-.43544E+01
-.15370E+01	-.10920E+02	-.27855E+01
-.34307E+00	-.75323E+01	-.50977E+01
-.75250E+00	-.60977E+01	-.22409E+01
-.25462E+01	-.36111E+01	-.48521E+01
-.13072E+01	-.33432E+01	-.32822E+01
-.31803E+01	-.30754E+01	-.17143E+01
ELEMENTUL 126		
-.29868E+01	-.36792E+01	-.44925E+01
-.23978E+01	-.35614E+01	-.29127E+01
-.18088E+01	-.34436E+01	-.11273E+01
-.13014E+00	-.47482E+01	-.40270E+01
-.12320E+00	-.49033E+01	-.65905E+00
-.38405E+00	-.13176E+01	-.35588E+01
-.97310E+00	-.13203E+02	-.10703E+01
-.15621E+01	-.13411E+02	-.18484E+00
ELEMENTUL 127		
-.33240E+01	-.50536E+02	-.47175E+00
-.91149E+01	-.51694E+02	-.65127E+01
-.14906E+00	-.52853E+02	-.13603E+01
-.45818E+00	-.36207E+02	-.15003E+01
-.12040E+00	-.38524E+02	-.17879E+02
-.24077E+01	-.21876E+02	-.42524E+01
-.33833E+01	-.23036E+02	-.18112E+01
-.91742E+01	-.24194E+02	-.90757E+01
ELEMENTUL 128		
-.76421E+01	-.23888E+02	-.47750E+01
-.73540E+01	-.23030E+02	-.10333E+01
-.60660E+01	-.23773E+02	-.20083E+01
-.64254E+01	-.17805E+02	-.30828E+01
-.58493E+01	-.17990E+02	-.21005E+01
-.52088E+01	-.17211E+02	-.38909E+01
-.49207E+01	-.11664E+02	-.64899E+00
-.45327E+01	-.11606E+02	-.21927E+01
ELEMENTUL 129		
-.54375E+01	-.11766E+02	-.39874E+01
-.48313E+01	-.11646E+02	-.13284E+01
-.42291E+01	-.11525E+02	-.31080E+00
-.45700E+01	-.74486E+01	-.37942E+01
-.33655E+01	-.72077E+01	-.32337E+00
-.37064E+01	-.31309E+01	-.36018E+01
ELEMENTUL 130		
-.31042E+01	-.30105E+01	-.14439E+01
-.25020E+01	-.28900E+01	-.71591E+00
ELEMENTUL 131		
-.34450E+01	-.30786E+01	-.35495E+01
-.31428E+01	-.30184E+01	-.12390E+01
-.28422E+01	-.26581E+01	-.10698E+01
-.15972E+01	-.61601E+01	-.32966E+01
-.90488E+00	-.62806E+01	-.31940E+01
-.25051E+00	-.15399E+02	-.85435E+00
-.55168E+00	-.15519E+02	-.14555E+01
-.85529E+00	-.15519E+02	-.14555E+01
ELEMENTUL 132		
-.12334E+02	-.51388E+02	-.12201E+02
-.77300E+01	-.59468E+02	-.34392E+01
-.31261E+01	-.49547E+02	-.10758E+02
-.95473E+00	-.37914E+02	-.27055E+01
-.43950E+00	-.35114E+02	-.92943E+01
-.69607E+01	-.24523E+02	-.72538E+01
-.22471E+01	-.22681E+02	-.41784E+01

--	61789E+01	24360E+02	1070E+01
--	69906E+01	24599E+02	12749E+01
--	79026E+01	24691E+02	14369E+01
--	49061E+01	18902E+02	11599E+01
--	65299E+01	18927E+02	14167E+01
--	35333E+01	11801E+02	75332E+01
--	444E+01	11963E+02	5332E+01
--	52571E+01	11963E+02	5332E+01
ELEMENTUL 133			
--	38475E+01	11681E+02	17197E+01
--	4647E+01	11845E+02	16345E+01
--	54819E+01	12008E+02	19408E+01
--	26594E+01	75957E+01	13349E+01
--	40875E+01	18567E+01	10799E+01
--	2997E+01	30196E+01	11170E+01
--	37169E+01	31891E+01	11170E+01
ELEMENTUL 134			
--	2776E+01	29952E+01	13139E+01
--	1168E+01	3030E+01	1057E+01
--	31168E+01	3130E+01	1057E+01
--	3454E+01	63834E+01	1536E+01
--	9022E+01	82478E+01	1536E+01
--	15797E+01	15776E+01	1017E+01
--	9370E+01	15764E+01	1017E+01
--	6348E+01	15620E+01	20361E+01
--	20602E+01	15620E+01	20361E+01
ELEMENTUL 135			
--	1979E+01	47363E-01	1030E+01
--	1990E+01	96265E+00	9229E+01
--	1368E+01	50017E+00	5135E+01
--	304E+01	92921E+00	89173E+01
--	8324E+01	14341E+01	91721E+01
--	1623E+01	18311E+01	7009E+01
--	1396E+01	19914E+01	4456E+01
--	1973E+01	21335E+01	6861E+01
ELEMENTUL 136			
--	1958E+01	25473E+01	15749E+01
--	7561E+01	64331E+01	7292E+01
--	1702E+01	12610E+01	12022E+01
--	1858E+01	15830E+01	16294E+01
--	1455E+01	19069E+01	14172E+01
--	7645E+01	26069E+01	19392E+01
--	8247E+01	27021E+01	14915E+01
--	1285E+01	27973E+01	14915E+01
ELEMENTUL 137			
--	1320E+01	25581E+02	16997E+01
--	4289E+01	26100E+02	12109E+01
--	7416E+01	26800E+02	52788E+01
--	7663E+01	22909E+02	13187E+01
--	2523E+01	24128E+02	70345E+01
--	3299E+01	20227E+02	41377E+01
--	6247E+01	20847E+02	2000E+01
--	1329E+01	21456E+02	2000E+01
ELEMENTUL 138			
--	1329E+01	20454E+02	1595E+01
--	3422E+01	20877E+02	34563E+01
--	5656E+01	21300E+02	37469E+01
--	3876E+01	15727E+02	71927E+01
--	4620E+01	16574E+02	9504E+01
--	5597E+01	11091E+02	12700E+01
--	3675E+01	11847E+02	17632E+01
ELEMENTUL 139			
--	1250E+01	11362E+02	1095E+01
--	588E+01	11620E+02	5990E+01
--	2563E+01	11890E+02	5990E+01
--	4646E+01	72386E+01	16818E+01
--	3991E+01	31349E+01	41543E+01
--	2030E+01	33787E+01	29034E+01
--	2230E+01	36426E+01	44329E+01
ELEMENTUL 140			
--	1749E+01	35445E+01	69910E+01
--	2342E+01	35631E+01	24589E+01
--	2935E+01	37817E+01	42585E+01
--	2097E+01	53064E+01	270E+01
--	1645E+01	50692E+01	26560E+01
--	1179E+01	14077E+01	15006E+01
--	1198E+01	14039E+01	15006E+01
--	6953E+01	13920E+01	32798E+01
ELEMENTUL 141			
--	1228E+01	10107E+00	7097E+01
--	5618E+01	32813E+00	4635E+01
--	4074E+01	37605E+00	2251E+01

• 37090E+01	• 10324E+01	• 92980E+00
• 31397E+00	• 56935E+00	• 11265E+01
• 30940E+00	• 48462E+00	• 10450E+01
• 33421E+01	• 10400E+00	• 30453E+00
ELEMENTUL 142		
• 15322E+00	• 53404E+00	• 49352E+00
• 73576E+00	• 41753E+00	• 58743E+00
• 13195E+01	• 30078E+00	• 14811E+01
• 14403E+01	• 15218E+01	• 30713E+00
• 89707E+00	• 13351E+01	• 10972E+01
• 17506E+00	• 21797E+01	• 19277E+00
• 21235E+00	• 21021E+01	• 31204E+00
• 60090E+00	• 20242E+01	• 84110E+00
ELEMENTUL 143		
• 20991E+01	• 17366E+01	• 0779E+01
• 23958E+01	• 21924E+01	• 50472E+01
• 25191E+01	• 26482E+01	• 40765E+01
• 12802E+01	• 49857E+01	• 16855E+01
• 31278E+01	• 58972E+01	• 52340E+01
• 73944E+00	• 82344E+01	• 29931E+01
• 15301E+01	• 86901E+01	• 42424E+01
• 39170E+01	• 91453E+01	• 01915E+01
ELEMENTUL 144		
• 35716E+01	• 76478E+01	• 17140E+01
• 17176E+01	• 60387E+01	• 43754E+01
• 10659E+00	• 84297E+01	• 70359E+01
• 27346E+01	• 12082E+02	• 22559E+01
• 11214E+01	• 12864E+02	• 75370E+01
• 19979E+01	• 16519E+02	• 54777E+01
• 56107E+01	• 16907E+02	• 60792E+01
• 20103E+01	• 17208E+02	• 60792E+01
ELEMENTUL 145		
• 35590E+01	• 16184E+02	• 65035E+00
• 19964E+01	• 16467E+02	• 72803E+00
• 43377E+00	• 16809E+02	• 38967E+00
• 36065E+01	• 15552E+02	• 13827E+01
• 47981E+00	• 16577E+02	• 10985E+01
• 35527E+01	• 15719E+02	• 15909E+01
• 20805E+01	• 16031E+02	• 15909E+01
• 52674E+00	• 16344E+02	• 14205E+01
ELEMENTUL 146		
• 95264E+01	• 15944E+02	• 75469E+00
• 99939E+00	• 16252E+02	• 45189E+01
• 55473E+01	• 15560E+02	• 40822E+00
• 31143E+01	• 13004E+02	• 34588E+01
• 37033E+01	• 13620E+02	• 32705E+01
• 21691E+01	• 10063E+02	• 66741E+01
• 61107E+00	• 10371E+02	• 16975E+01
• 14583E+01	• 10513E+02	• 34018E+01
ELEMENTUL 147		
• 14583E+01	• 10513E+02	• 14569E+01
• 13453E+00	• 10777E+02	• 36277E+01
• 11861E+01	• 11041E+02	• 57989E+01
• 21790E+00	• 68944E+01	• 11047E+01
• 46244E+00	• 74227E+01	• 54464E+01
• 29077E+01	• 32763E+01	• 75230E+00
• 15815E+00	• 35403E+01	• 20630E+01
• 25118E+00	• 38045E+01	• 50942E+01
ELEMENTUL 148		
• 53209E+00	• 39632E+01	• 39909E+00
• 17090E+01	• 40987E+01	• 25141E+01
• 19871E+01	• 42341E+01	• 46289E+01
• 87742E+00	• 50844E+01	• 39513E+01
• 47764E+00	• 28134E+01	• 42795E+01
• 22869E+01	• 10132E+01	• 40359E+00
• 15094E+01	• 99964E+01	• 37914E+01
• 93187E+00	• 98609E+01	• 30097E+01
ELEMENTUL 149		
• 80292E+01	• 16270E+01	• 71704E+00
• 28241E+00	• 16674E+01	• 20457E+00
• 48459E+00	• 17078E+01	• 30705E+00
• 14294E+00	• 81589E+01	• 32499E+00
• 60205E+00	• 53406E+03	• 20010E+00
• 40098E+00	• 17498E+01	• 22668E+00
• 10870E+00	• 17090E+01	• 43013E+00
• 93229E+00	• 14957E+01	• 92295E+01
• 86792E+00	• 15901E+01	• 40359E+00
• 39519E+00	• 16846E+01	• 47322E+00
• 76981E+01	• 16730E+01	• 77335E+00
• 43214E+00	• 38625E+01	• 18384E+00
• 51369E+02	• 58513E+01	• 04745E+00
• 47599E+00	• 50420E+01	• 05744E+00

ELEMENTUL 151				
• 32549E+01	• 51996E+01	• 90790E+01	• 14751E+01	• 28592E+00
• 17670E+01	• 55974E+01	• 18709E+01	• 25592E+01	• 31244E+00
• 17945E+01	• 75067E+01	• 31244E+01	• 50075E+01	• 98130E+01
• 80529E+01	• 98130E+01	• 10012E+02	• 20075E+01	• 10012E+02
• 11319E+01	• 10211E+02	• 10211E+02	• 53808E+01	• 53808E+01
• 34413E+01				
ELEMENTUL 152				
• 35926E+01	• 95617E+01	• 94822E+00	• 18709E+01	• 94822E+00
• 34345E+01	• 95931E+01	• 18709E+01	• 18709E+01	• 18709E+01
• 32762E+01	• 96221E+01	• 18709E+01	• 18709E+01	• 18709E+01
• 32874E+01	• 11117E+02	• 11117E+02	• 11117E+02	• 11117E+02
• 22619E+01	• 11117E+02	• 11117E+02	• 11117E+02	• 11117E+02
• 28718E+01	• 12667E+02	• 12667E+02	• 12667E+02	• 12667E+02
• 28120E+01	• 12730E+02	• 12730E+02	• 12730E+02	• 12730E+02
• 26552E+01				
ELEMENTUL 153				
• 35624E+01	• 12527E+02	• 12527E+02	• 10349E+01	• 10349E+01
• 30921E+01	• 12462E+02	• 12462E+02	• 10209E+01	• 10209E+01
• 41169E+01	• 12398E+02	• 12398E+02	• 10049E+01	• 10049E+01
• 36749E+01	• 12500E+02	• 12500E+02	• 95059E+00	• 95059E+00
• 43222E+01	• 12371E+02	• 12371E+02	• 91827E+00	• 91827E+00
• 36801E+01	• 12473E+02	• 12473E+02	• 86475E+00	• 86475E+00
• 40019E+01	• 12404E+02	• 12404E+02	• 84813E+00	• 84813E+00
• 43270E+01	• 12344E+02	• 12344E+02	• 83192E+00	• 83192E+00
ELEMENTUL 154				
• 35036E+01	• 12508E+02	• 12508E+02	• 97376E+00	• 97376E+00
• 32534E+01	• 12539E+02	• 12539E+02	• 92405E+00	• 92405E+00
• 32011E+01	• 12569E+02	• 12569E+02	• 86173E+01	• 86173E+01
• 38717E+01	• 10678E+02	• 10678E+02	• 81418E+00	• 81418E+00
• 35672E+01	• 10739E+01	• 10739E+01	• 75817E+00	• 75817E+00
• 42372E+01	• 88788E+01	• 88788E+01	• 65479E+00	• 65479E+00
• 40354E+01	• 80093E+01	• 80093E+01	• 44319E+00	• 44319E+00
• 32322E+01			• 18411E+01	• 18411E+01
ELEMENTUL 155				
• 12149E+01	• 94923E+01	• 94923E+01	• 95629E+00	• 95629E+00
• 13505E+01	• 94258E+01	• 94258E+01	• 92497E+01	• 92497E+01
• 16860E+01	• 93587E+01	• 93587E+01	• 90047E+01	• 90047E+01
• 16201E+01	• 94071E+01	• 94071E+01	• 87078E+00	• 87078E+00
• 22913E+01	• 93329E+01	• 93329E+01	• 81247E+01	• 81247E+01
• 22535E+01	• 94413E+01	• 94413E+01	• 77320E+00	• 77320E+00
• 25608E+01	• 93774E+01	• 93774E+01	• 74297E+01	• 74297E+01
• 28964E+01	• 92070E+01	• 92070E+01	• 72437E+01	• 72437E+01
ELEMENTUL 156				
• 46060E+01	• 39784E+01	• 39784E+01	• 74155E+00	• 74155E+00
• 49944E+01	• 39861E+01	• 39861E+01	• 72589E+01	• 72589E+01
• 53822E+01	• 39939E+01	• 39939E+01	• 70115E+00	• 70115E+00
• 56115E+01	• 41304E+01	• 41304E+01	• 67082E+00	• 67082E+00
• 48353E+01	• 41492E+01	• 41492E+01	• 64704E+00	• 64704E+00
• 15829E+01	• 42392E+01	• 42392E+01	• 61599E+00	• 61599E+00
• 15441E+01	• 62314E+01	• 62314E+01	• 58177E+01	• 58177E+01
• 15053E+01	• 62223E+01	• 62223E+01	• 56149E+01	• 56149E+01
ELEMENTUL 157				
• 25879E+01	• 20267E+01	• 20267E+01	• 52149E+00	• 52149E+00
• 20950E+01	• 20461E+01	• 20461E+01	• 47793E+01	• 47793E+01
• 16780E+01	• 20654E+01	• 20654E+01	• 45902E+00	• 45902E+00
• 42146E+01	• 48965E+01	• 48965E+01	• 42537E+00	• 42537E+00
• 22755E+01	• 87489E+01	• 87489E+01	• 37599E+00	• 37599E+00
• 81703E+01	• 19292E+01	• 19292E+01	• 32467E+00	• 32467E+00
• 72005E+01	• 18896E+01	• 18896E+01	• 30101E+00	• 30101E+00
• 62305E+01			• 28447E+01	• 28447E+01
ELEMENTUL 158				
• 12903E+01	• 20251E+01	• 20251E+01	• 18045E+01	• 18045E+01
• 22583E+01	• 18101E+01	• 18101E+01	• 18336E+00	• 18336E+00
• 84776E+01	• 15955E+01	• 15955E+01	• 15036E+00	• 15036E+00
• 16581E+01	• 18109E+01	• 18109E+01	• 14677E+00	• 14677E+00
• 48888E+01	• 23902E+01	• 23902E+01	• 10676E+00	• 10676E+00
• 20170E+01	• 55143E+01	• 55143E+01	• 10579E+01	• 10579E+01
• 94351E+01	• 53992E+01	• 53992E+01	• 10564E+01	• 10564E+01
• 13002E+01	• 51816E+01	• 51816E+01	• 10447E+01	• 10447E+01
ELEMENTUL 159				
• 11140E+01	• 54324E+01	• 54324E+01	• 33591E+01	• 33591E+01
• 11375E+01	• 40831E+01	• 40831E+01	• 30425E+01	• 30425E+01
• 33800E+01	• 45320E+01	• 45320E+01	• 25065E+01	• 25065E+01
• 18827E+01	• 42822E+01	• 42822E+01	• 16511E+00	• 16511E+00
• 26107E+01	• 93828E+01	• 93828E+01	• 10600E+01	• 10600E+01
• 26517E+01	• 13139E+02	• 13139E+02	• 27200E+01	• 27200E+01
• 40219E+01	• 12682E+02	• 12682E+02	• 44026E+01	• 44026E+01
• 18422E+01	• 12232E+02	• 12232E+02	• 44026E+01	• 44026E+01
ELEMENTUL 160				
• 63547E+01	• 11321E+02	• 11321E+02	• 47260E+00	• 47260E+00



• 3.7946E+01	• 1.6891E+02	• 1.5957E+01	• 1.5957E+01
• 3.0403E+01	• 1.1219E+02	• 1.3164E+00	• 1.3164E+00
• 6.3368E+01	• 1.1930E+02	• 3.0291E+00	• 3.0291E+00
• 4.6401E+01	• 1.1225E+02	• 5.2271E+00	• 5.2271E+00
• 2.0803E+01	• 1.1357E+02	• 7.7240E+00	• 7.7240E+00
ELEMENTUL 161			
• 6.0959E+01	• 1.1765E+02	• 4.0387E+00	• 4.0387E+00
• 3.6808E+01	• 1.2158E+02	• 8.1230E+00	• 8.1230E+00
• 6.6605E+01	• 1.2440E+02	• 7.5053E+00	• 7.5053E+00
• 3.5417E+01	• 1.2102E+02	• 5.5162E+01	• 5.5162E+01
• 6.4151E+01	• 1.2326E+02	• 1.1327E+01	• 1.1327E+01
• 3.0056E+01	• 1.2601E+02	• 1.5082E+01	• 1.5082E+01
ELEMENTUL 162			
• 2.2146E+01	• 14.053E+02	• 56.464E+01	• 56.464E+01
• 6.0237E+01	• 12.400E+02	• 3.4227E+01	• 3.4227E+01
• 3.4220E+01	• 12.929E+02	• 4.9749E+01	• 4.9749E+01
• 1.4707E+01	• 10.320E+02	• 4.5599E+01	• 4.5599E+01
• 4.1569E+01	• 9.252E+02	• 9.1234E+01	• 9.1234E+01
• 7.4424E+01	• 8.705E+02	• 1.5189E+01	• 1.5189E+01
• 2.0725E+01	• 9.141E+02	• 2.8555E+00	• 2.8555E+00
• 4.8977E+01	• 5.577E+02	• 1.5944E+01	• 1.5944E+01
ELEMENTUL 163			
• 1.5947E+01	• 6.875E+02	• 1.5944E+01	• 1.5944E+01
• 3.7354E+01	• 8.548E+02	• 3.7409E+00	• 3.7409E+00
• 1.6800E+01	• 6.224E+02	• 3.7227E+00	• 3.7227E+00
• 1.1725E+01	• 4.764E+02	• 1.0791E+00	• 1.0791E+00
• 2.0912E+01	• 4.112E+02	• 8.2381E+01	• 8.2381E+01
• 7.5049E+01	• 4.124E+02	• 2.6544E+01	• 2.6544E+01
• 8.8135E+01	• 2.328E+02	• 1.1902E+01	• 1.1902E+01
• 2.8132E+01	• 2.001E+02	• 1.2445E+01	• 1.2445E+01
ELEMENTUL 164			
• 7.1424E+01	• 2.647E+02	• 5.920E+00	• 5.920E+00
• 1.4305E+01	• 2.590E+02	• 5.459E+01	• 5.459E+01
• 1.7276E+01	• 2.538E+02	• 1.1373E+01	• 1.1373E+01
• 1.0688E+01	• 5.923E+02	• 2.271E+00	• 2.271E+00
• 4.2522E+01	• 5.007E+02	• 7.0987E+01	• 7.0987E+01
• 5.0003E+01	• 3.486E+02	• 3.4490E+00	• 3.4490E+00
• 7.7195E+01	• 3.540E+02	• 1.7447E+01	• 1.7447E+01
• 1.0431E+01	• 3.540E+02	• 1.7447E+01	• 1.7447E+01
ELEMENTUL 165			
• 9.0674E+01	• 9.727E+02	• 1.509E+00	• 1.509E+00
• 3.1103E+01	• 8.532E+02	• 3.0218E+00	• 3.0218E+00
• 2.9450E+01	• 7.341E+02	• 5.0760E+00	• 5.0760E+00
• 7.6766E+01	• 1.790E+02	• 1.1302E+00	• 1.1302E+00
• 4.6307E+01	• 5.902E+02	• 7.6762E+00	• 7.6762E+00
• 5.8956E+01	• 6.137E+02	• 5.664E+00	• 5.664E+00
• 6.1188E+01	• 7.326E+02	• 9.8594E+00	• 9.8594E+00
• 6.0162E+01	• 8.518E+02	• 1.509E+01	• 1.509E+01
• 1.7906E+01	• 3.735E+02	• 1.509E+01	• 1.509E+01
• 3.5327E+01	• 6.606E+02	• 1.6788E+00	• 1.6788E+00
• 1.0837E+01	• 9.484E+02	• 5.0383E+01	• 5.0383E+01
• 1.6415E+01	• 1.120E+02	• 9.8771E+00	• 9.8771E+00
• 1.2333E+01	• 1.695E+02	• 1.695E+00	• 1.695E+00
• 1.4920E+01	• 1.807E+02	• 5.724E+00	• 5.724E+00
• 5.4459E+01	• 2.157E+02	• 2.528E+01	• 2.528E+01
• 1.2837E+01	• 2.442E+02	• 6.328E+00	• 6.328E+00
ELEMENTUL 167			
• 2.1653E+01	• 2.209E+02	• 4.063E+01	• 4.063E+01
• 3.4700E+01	• 2.235E+02	• 2.538E+01	• 2.538E+01
ELEMENTUL 168			
• 4.7948E+01	• 2.262E+02	• 1.009E+01	• 1.009E+01
• 5.7956E+01	• 4.024E+02	• 1.6763E+01	• 1.6763E+01
• 8.4261E+01	• 4.076E+02	• 1.0747E+01	• 1.0747E+01
• 9.4257E+01	• 5.839E+02	• 9.519E+01	• 9.519E+01
• 1.0739E+01	• 5.867E+02	• 5.000E+01	• 5.000E+01
• 1.2055E+01	• 5.891E+02	• 2.043E+01	• 2.043E+01
ELEMENTUL 169			
• 9.1020E+01	• 7.471E+02	• 1.460E+02	• 1.460E+02
• 6.5013E+01	• 5.780E+02	• 7.430E+01	• 7.430E+01
• 7.8028E+01	• 4.050E+02	• 3.530E+02	• 3.530E+02
• 1.831E+01	• 2.122E+02	• 2.048E+01	• 2.048E+01
• 5.0547E+01	• 1.782E+02	• 1.949E+01	• 1.949E+01
• 1.4509E+01	• 3.495E+02	• 1.603E+02	• 1.603E+02
• 6.1463E+01	• 3.315E+02	• 1.678E+01	• 1.678E+01
• 2.3036E+01	• 3.315E+02	• 1.678E+01	• 1.678E+01
ELEMENTUL 169			
• 1.4472E+02	• 3.492E+02	• 2.026E+02	• 2.026E+02
• 5.9475E+01	• 3.151E+02	• 1.143E+00	• 1.143E+00
• 1.1749E+01	• 2.131E+02	• 2.030E+01	• 2.030E+01
• 5.8004E+01	• 1.790E+02	• 1.842E+01	• 1.842E+01

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--.50142E+00 --.70390E+01 --.57390E+01
--.80205E+01 --.42859E+01 --.31502E+01
ELEMENTUL 170
--.60220E+00 --.60201E+01 --.40749E+01
--.64941E+00 --.60204E+01 --.25205E+01
--.60616E+00 --.60118E+01 --.13209E+01
--.37855E+00 --.42512E+01 --.40559E+01
--.25043E+00 --.42339E+01 --.17210E+01
--.19001E+01 --.24733E+01 --.10575E+01
--.61871E+00 --.24646E+01 --.25350E+01
--.10500E+00 --.24560E+01 --.12136E+01
ELEMENTUL 171
--.16987E+00 --.21373E+01 --.57890E+00
--.47729E+00 --.23815E+01 --.85743E+01
--.74477E+00 --.26259E+01 --.75237E+00
--.18651E+01 --.13053E+01 --.82314E+00
--.57878E+00 --.17940E+01 --.50005E+00
--.20317E+01 --.47321E+00 --.10079E+01
--.81023E+00 --.71776E+00 --.40335E+00
--.41200E+00 --.95109E+00 --.25567E+00
ELEMENTUL 172
--.66767E+00 --.74594E+00 --.40449E+00
--.14575E+00 --.65040E+00 --.70309E+00
--.37629E+00 --.95485E+00 --.18535E+01
--.86341E+00 --.23280E+00 --.17359E+00
--.18070E+00 --.23895E+01 --.17305E+00
--.10503E+01 --.12115E+01 --.15509E+01
--.53725E+00 --.11071E+01 --.37070E+00
--.15109E+01 --.10076E+01 --.76768E+00

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#STOP\*

CD11104A

CENTRUL DE CALCUL AL I.P.T. TIMISTARA FELIX C-512 SIM - 0000  
 0006 COLIAZUP AN = PR00 DATE = 24/06/90-236  
 H.D.F.B = ICH 44 M.005 H.D.F.N = ICH 45M.475 TIME = 00010215  
 LSP = 00091 MEN = 00048 LN = 00002431 IV = 00000394 QDE = 000

END



CD111040

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PPPPPPPP P          BBBB9888 B
PPPP      P          BBBB      B
PPPPPPPP PP          BB988888 B
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PPPP      P          BBBB9888 B
PPPP      P          BBBB9888 B

RRRRRRRR R          IIIIIIII I
RRRRRRRR R          IIIIIIII I
RRRRRRRR R          IIIIIIII I
RRRRRRRR R          IIIIIIII I
RRRRRRRR R          IIIIIIII I
RRRRRRRR R          IIIIIIII I

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* JOB CD111ZOP,AN:PB00,PN:RICH
* SEC X
* FORTRAN COMPILER FORTRAN
* FORTRAN STARTED

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CD111041
FORTRAN 00.00

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CD111ZOP 08/08/90 09.58.09

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C

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1 * SEGMENT A+B+C
2 DIMENSION VAL1(2),VAL2(2)
3 DIMENSION NOD(175,4),T(175),KOC(175),JT(175),XS(215),YS(215),TGI(2
4 *)
5 DIMENSION UE(8,3),SIG(3,3)
6 DIMENSION RI(3,3),AL(1),E(1),GN(1),K(8),R8(3,8)
7 DIMENSION SI(3),SI2(3),TE(3),EI(3)
8 DIMENSION /A/RE(3,3),D(3,9),RE(8,9),W(2),XII(4),ETI(4),A(3),XE(4),
9 *YE(4),TE,EPE,II,JJ,DETAJ
10 COMMON /B/UR(430,22),NCLIN,IS,NINC
11 COMMON /C/GEOMETRICE,SI DE MATERIAL
12 READ(105,1)NE,NO,NM,KUT
13 WRITE(108,2)NE,NO,NM,KUT
14 READ(105,22)MCL,NINC
15 WRITE(108,24)MCL,NINC
16 NINC=NINC+1
17 NI=NINC-1
18 NI=NINC-1
19 READ(105,27)AL,E,GN
20 READ(108,28)AL,E,GN
21 READ(105,3)N,(NOD(N,I),I=1,4),T(N),KOD(N),DT(N)
22 READ(108,4)N,(NOD(N,I),I=1,4),T(N),KOD(N),DT(N)
23 * IF(N.LT.NE) GO TO 5
24 READ(105,6)M,XS(M),YS(M)
25 WRITE(108,7)M,XS(M),YS(M)
26 * IF(M.LT.NC) GO TO 8
27 IF(1,1,1)=1,GN(1)
28 IF(1,2,1)=0,GN(1)
29 IF(1,3,1)=0,GN(1)
30 IF(1,1,1)=1,GN(1)
31 IF(2,1,1)=0,GN(1)
32 IF(2,2,1)=0,GN(1)
33 IF(3,1,1)=0,GN(1)
34 IF(3,2,1)=0,GN(1)
35 IF(3,3,1)=0,GN(1)
36 IF(3,3,1)=0,GN(1)
37 IF(3,3,1)=0,GN(1)
38 IF(1,1,1)=RI(I,J,1)/(1.-GM(1)**2)
39 CONTINUE
40 * WRITE(108,14)RI
41 READ(105,15)W
42 * WRITE(108,12)XII,ETI,A
43 * WRITE(108,16)XII,ETI,A
44 * MATRIGELERS,SI,U
45 M=3
46 IDIM=3
47 DO 17 M=1,NE
48 DO 17 J=1,4
49 DO 17 I=1,NOD(M,I)-NOD(M,J)
50 * IDI=I-GT.IDIM IDIM=IDI
51 * CONTINUE
52 * CONTINUE
53 * CONTINUE
54 * CONTINUE
55 * CONTINUE
56 * CONTINUE
57 * CONTINUE
58 * CONTINUE
59 * CONTINUE
60 * CONTINUE
61 * CONTINUE

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FORTRAN 00.00

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CD111ZOP 08/08/90 09.58.09

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C

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62 READ(105,21)ICL
63 WRITE(108,23)ICL
64 READ(105,125)NIP1,NNO1,VAL1,NIP2,NNO2,VAL2
65 REFORMAT(215,2F15.5,2I5,2F15.5)
66 IF(NNIP1.EQ.99) GO TO 240
67 NR1=NNNO1*2-1
68 NR2=NNNO1*2
69 U(NR1,NIP1)=VAL1(1)
70 U(NR2,NIP1)=VAL1(2)
71 REFORMAT(215,2F15.5,2I5,2F15.5)
72 IF(NNIP2.EQ.99) GO TO 240
73 NR3=NNNO2*2-1
74 NR4=NNNO2*2
75 U(NR3,NIP2)=VAL2(1)
76 U(NR4,NIP2)=VAL2(2)
77 GO TO 250
240 DD 241 J=1,NINC
78 WRITE(108,26)(U(I,J),I=1,NLIN)
241 CONTINUE
26 DD 41 N=1,NE
81 IK=KOD(N)
82 DO 31 I=1,3
83 DO 31 J=1,3
84 RM(I,J)=RI(I,J,IK)
85 CONTINUE
86 ALM=AL(IK)
87 DO 37 I=1,4
88 J=NUO(N,I)
89 XE(I)=XS(J)
90 YE(I)=YS(J)
91 CONTINUE
92 TE=I(N)
93
94

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FORTRAN 00.00

CD111ZDP 08/08/90 09.58.09

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95 EPE=ALM*DT(N)
96 CALL MATR
97 K(1)=2*NOD(N,1)-1
98 K(2)=K(1)+1
99 K(3)=2*NOD(N,2)-1
100 K(4)=K(3)+1
101 K(5)=2*NOD(N,3)-1
102 K(6)=K(5)+1
103 K(7)=2*NOD(N,4)-1
104 K(8)=K(7)+1
105 DD 42 I=1,8
106 L=K(I)
107 U(L,NINC)=U(L,NINC)+RE(I,9)*EM
108 DO 43 J=1,8
109 IF(K(J).LI.L) GO TO 43
110 M=K(J)-L+1
111 RS(L,M)=RS(L,M)+RE(I,J)
112 CONTINUE
113 CONTINUE
114 DEPL=ASARI NODALE
115 DO 45 J=1,MCL
116 IK=ICL(J)
117 RS(IK,J)=RS(IK,1)*10.**10
118 CALL REZOL
119 DO 55 N=1,NE
120 WRITE(108,51)N
121 K(1)=2*NOD(N,1)-1
122 K(2)=K(1)+1
123 K(3)=2*NOD(N,2)-1
124 K(4)=K(3)+1
125 K(5)=2*NOD(N,3)-1
126 K(6)=K(5)+1
127 K(7)=2*NOD(N,4)-1
128 K(8)=K(7)+1
129 DD 52 I=1,8
130 DO 52 J=1,NINC
131 L=K(I)
132 U(L,J)=U(L,J)
133 CONTINUE
134 IK=KOD(N)
135 DO 61 I=1,3
136 DO 61 J=1,3
137 RM(I,J)=RI(I,J,IK)
138 CONTINUE
139 ALM=AL(IK)
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FORTRAN 00.00

CD111ZDP 08/08/90 09.58.09

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142 EM=E(IK)
143 GNM=GN(1)
144 A(1)=-1.
145 A(2)=U.
146 A(3)=1.
147 DO 57 I=1,4

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J=NOC(N,I)
XC(I)=XS(J)
YL(I)=YS(J)
157 CONTINUE
DO 70 JJ=1,3
158   IF (L1.AND. JJ.F0.2) GO TO 70
  CALL FUNPER
159 DO 71 J=1,3
  DO 71 J=0
160   DO 71 J=1,3
  CONTINUE
161   DO 71 JJ=1,3
  CONTINUE
162   SIG(1,1)=SIG(1,1)+F(I,J)*F(I,L)*UE(L,J)
163   SIG(1,2)=SIG(1,2)+F(I,J)*F(I,5)*J=1,NI1)
164   SIG(1,3)=SIG(1,3)+F(I,J)*F(I,5)*J=1,NI1)
165   SIG(1,4)=SIG(1,4)+F(I,J)*F(I,5)*J=1,NI1)
166   SIG(1,5)=SIG(1,5)+F(I,J)*F(I,5)*J=1,NI1)
167   SIG(1,6)=SIG(1,6)+F(I,J)*F(I,5)*J=1,NI1)
168   SIG(1,7)=SIG(1,7)+F(I,J)*F(I,5)*J=1,NI1)
169   SIG(1,8)=SIG(1,8)+F(I,J)*F(I,5)*J=1,NI1)
170   SIG(1,9)=SIG(1,9)+F(I,J)*F(I,5)*J=1,NI1)
171   SIG(1,10)=SIG(1,10)+F(I,J)*F(I,5)*J=1,NI1)
172   SIG(1,11)=SIG(1,11)+F(I,J)*F(I,5)*J=1,NI1)
173   SIG(1,12)=SIG(1,12)+F(I,J)*F(I,5)*J=1,NI1)
174   SIG(1,13)=SIG(1,13)+F(I,J)*F(I,5)*J=1,NI1)
175   SIG(1,14)=SIG(1,14)+F(I,J)*F(I,5)*J=1,NI1)
176   SIG(1,15)=SIG(1,15)+F(I,J)*F(I,5)*J=1,NI1)
177   SIG(1,16)=SIG(1,16)+F(I,J)*F(I,5)*J=1,NI1)
178   SIG(1,17)=SIG(1,17)+F(I,J)*F(I,5)*J=1,NI1)
179   SIG(1,18)=SIG(1,18)+F(I,J)*F(I,5)*J=1,NI1)
180   SIG(1,19)=SIG(1,19)+F(I,J)*F(I,5)*J=1,NI1)
181   SIG(1,20)=SIG(1,20)+F(I,J)*F(I,5)*J=1,NI1)
182   SIG(1,21)=SIG(1,21)+F(I,J)*F(I,5)*J=1,NI1)
183   SIG(1,22)=SIG(1,22)+F(I,J)*F(I,5)*J=1,NI1)
184   SIG(1,23)=SIG(1,23)+F(I,J)*F(I,5)*J=1,NI1)
185   SIG(1,24)=SIG(1,24)+F(I,J)*F(I,5)*J=1,NI1)
186   SIG(1,25)=SIG(1,25)+F(I,J)*F(I,5)*J=1,NI1)
187   SIG(1,26)=SIG(1,26)+F(I,J)*F(I,5)*J=1,NI1)
188   SIG(1,27)=SIG(1,27)+F(I,J)*F(I,5)*J=1,NI1)
189   SIG(1,28)=SIG(1,28)+F(I,J)*F(I,5)*J=1,NI1)

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FORTRAN 00.00

COLLIZOP 00/08/90 09.58.09

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189   FURNMAT(15, 'NG=1,14,5X, 'NO=1,14,5X, 'NM=1,14,5X, 'KDT=1,14)
190   FURNMAT(15, 'F5.2,15, F5.2)
191   FURNMAT(15, 'F5.2,15, F5.2)
192   FURNMAT(15, 'F5.2,15, F5.2)
193   FURNMAT(15, 'F5.2,15, F5.2)
194   FURNMAT(15, 'F5.2,15, F5.2)
195   FURNMAT(15, 'F5.2,15, F5.2)
196   FURNMAT(15, 'F5.2,15, F5.2)
197   FURNMAT(15, 'F5.2,15, F5.2)
198   FURNMAT(15, 'F5.2,15, F5.2)
199   FURNMAT(15, 'F5.2,15, F5.2)
200   FURNMAT(15, 'F5.2,15, F5.2)
201   FURNMAT(15, 'F5.2,15, F5.2)
202   FURNMAT(15, 'F5.2,15, F5.2)
203   FURNMAT(15, 'F5.2,15, F5.2)
204   FURNMAT(15, 'F5.2,15, F5.2)
205   FURNMAT(15, 'F5.2,15, F5.2)
206   FURNMAT(15, 'F5.2,15, F5.2)
207   FURNMAT(15, 'F5.2,15, F5.2)
208   FURNMAT(15, 'F5.2,15, F5.2)
209   FURNMAT(15, 'F5.2,15, F5.2)
210   FURNMAT(15, 'F5.2,15, F5.2)
211   FURNMAT(15, 'F5.2,15, F5.2)
212   FURNMAT(15, 'F5.2,15, F5.2)
213   FURNMAT(15, 'F5.2,15, F5.2)
214   FURNMAT(15, 'F5.2,15, F5.2)
215   FURNMAT(15, 'F5.2,15, F5.2)
216   FURNMAT(15, 'F5.2,15, F5.2)
217   FURNMAT(15, 'F5.2,15, F5.2)

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COLLIZOP 00.00

COLLIZOP 00/08/90 09.58.09

5

ERREURS DETECTEES AU COURS DE LA COMPILATION :

- \*\* AVERTISSEMENT : ETIQUETTE '74' DEFINIE, NON REFERENCEE.
- \*\* AVERTISSEMENT : ETIQUETTE '10' DEFINIE, NON REFERENCEE.
- \*\* AVERTISSEMENT : ETIQUETTE '25' DEFINIE, NON REFERENCEE.
- \*\* AVERTISSEMENT : ETIQUETTE '60' DEFINIE, NON REFERENCEE.

```

1  * SEGMENT A+B+C
2  SUBROUTINE MATR
3  DIMENSION NOD(175,4),T(175),KOD(175),DT(175),XS(215),YS(215),ICL(8
4  )
5  DIMENSION UE(8,3),SIG(3,3)
6  DIMENSION RI(3,3),SI(3,3),TF(3,3),FI(3,3)
7  COMMON /A/ RM(3,3),P(3,9),RE(8,9),M(2),XII(4),ETI(4),A(3),XE(4),
8  *YE(4),TE,II,JJ,DETAJ,
9  COMMON /B/ UI(430,2),MLIN,IS,NINC
10 DO 1 I=1,8
11 DO 1 J=1,9
12 RE(I,J)=0.
13 CONTINUE
14 INLOCUIREA LUI RM PPIN S
15 RM(1,1)=SQRT(RM(1,1))
16 RM(1,2)=RM(1,2)/RM(1,1)
17 RM(1,3)=RM(1,3)/RM(1,1)
18 RM(2,2)=SQRT(RM(2,2))-RM(1,2)*RM(1,2)**2)
19 RM(2,3)=SQRT(RM(2,3))-RM(1,2)*RM(2,3)**2)
20 RM(3,3)=SQRT(RM(3,3))-RM(1,3)**2-RM(2,3)**2)
21 CUADRA II=1,2
22 DO 20 JJ=1,2
23 CALL FUNFEA LUI B PPIN S*B
24 INLOCUIREA LUI RM PPIN S
25 DO 3 L=1,9
26 DO 3 M=K1,3
27 FI=FI+RM(K1,M)*B(M,L)
28 CONTINUE
29 CB(K1,L)=FI
30 CONTINUE
31 INTEGRAREA NUMERICA
32 FI=M(I1)*W(JJ)*DETAJ
33 DO 2 NC=1,8
34 F2=0.
35 DO 5 L=1,3
36 F2=F2+B(L,NL)*B(L,*C)
37 CONTINUE
38 RE(NL,NC)=RE(NL,NC)+FI*F2
39 CONTINUE
40 INLOCUIREA CUT
41 C
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FORTRAN 00.00

CD111Z0P 08/08/90 09.58.46

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48 DO 7 I=1,8
49 DO 7 J=1,9
50 RE(I,J)=RE(I,J)*TE
51 CONTINUE
52 FORMAT(I9,'B',3(/T5,9E13.5))
53 FORMAT(I9,'RM',3(/T5,3E10.6))
54 FORMAT(I9,'RE',8(/T5,8E12.5))
55 RETURN
56 END

```

CD111043  
FORTRAN 00.00

CD111Z0P 08/08/90 09.58.46

8

ERREURS DETECTEES AU COURS DE LA COMPILATION :

```

** VARIABLES NON REFERENCEES : KOD
NOD
RI
TF
SIG
SI2
DT
E
XS
GN
YS
K
ICL
RB
UE
SI1

```

FORTRAN 00.00

CD111Z0P 08/08/90 09.58.46

9

ERREURS DETECTEES AU COURS DE LA COMPILATION :

```

** AVERTISSEMENT : ETIQUETTE '10' DEFINIE, NON REFERENCEE.
** AVERTISSEMENT : ETIQUETTE '14' DEFINIE, NON REFERENCEE.
** AVERTISSEMENT : ETIQUETTE '19' DEFINIE, NON REFERENCEE.

```

```

12 * SEGMENT A+8+C FUNFORM
13 SUBROUTINE NOD(175,4),T(175),KOD(175),DT(175),XS(215),YS(215),ICL(8
14 )
15 DIMENSION UE(8,3),SIG(3,3)
16 DIMENSION RI(3,3),AL(1),E(1),SN(1),K(8),RB(3,8)
17 DIMENSION SI(3),SY2(3),TE(3),FI(3)
18 DIMENSION FNI(4),DXI(4),DET(4),AJ(2,2)
19 COMMON /A/RM(3,3),E(3,9),RE(8,9),W(2),XII(4),ETI(4),A(3),XE(4),
20 YE(4),TE,SEPE,II,IU,DETAJ
21 COMMON /B/UK430,21,NLIN,IS,NINC
22 COMMON /C/RS(430,22)
23 DO 1 I=1,4
24 I=1+A(I,I)*XII(I)/4
25 FZ=(1.+A(JJ)*GTI(I))/4
26 FNI(I)=4.*FI*FZ
27 DXI(I)=XII(I)*F2
28 DET(I)=ETI(I)*F1
29 CONTINUE
30 MATRICEA J DETERMANTUL SI INVERSA EI
31 DO 2 I=1,2
32 DO 2 J=1,2
33 AJ(I,J)=0.
34 CONTINUE
35 DO 3 I=1,4
36 AJ(1,1)=AJ(1,1)+DXI(I)*XE(I)
37 AJ(1,2)=AJ(1,2)+DXI(I)*YE(I)
38 AJ(2,1)=AJ(2,1)+DET(I)*XE(I)
39 AJ(2,2)=AJ(2,2)+DET(I)*YE(I)
40 CONTINUE
41 DETAJ=AJ(1,1)*AJ(2,2)-AJ(2,1)*AJ(1,2)
42 FI=AJ(1,1)/DETAJ
43 AJ(1,1)=AJ(2,2)/DETAJ
44 AJ(1,2)=-AJ(1,2)/DETAJ
45 AJ(2,1)=-AJ(2,1)/DETAJ
46 AJ(2,2)=FI
47 MATRICEA DEFORMARII-DEPLASARII B
48 DO 4 L=1,4
49 J=2*L
50 I=J-1
51 B(1,I)=AJ(1,1)*DXI(L)+AJ(1,2)*DET(L)
52 B(1,J)=0.
53 B(2,I)=0.
54 B(2,J)=AJ(2,1)*DXI(L)+AJ(2,2)*DET(L)
55 B(3,I)=B(2,J)
56 B(3,J)=B(1,I)
57 B(1,9)=EPE
58 B(3,9)=0
59 CONTINUE
60 FORMAT(T9,'B',/3(/T5,9E13.5))
61 FORMAT(T9,'AJ',/2(/+F,2E16.7))

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FURTRAN 00.00

CD111ZJP 08/08/90 09.58.59

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12 FORMAT(19,'DETA J',E20.7)  
RETURN  
END

CD111044  
FORTRAN 00.00

CD111Z0P 08/08/90 09.58.59

12

ERREURS DETECTEES AU COURS DE LA COMPILATION :

\*\* VARIABLES NON REFERENCEES : KOD  
T KI AL  
SI2 TF FI

UE  
SI1

FORTRAN 00.00

CD111Z0P 08/08/90 09.58.59

13

ERREURS DETECTEES AU COURS DE LA COMPILATION :

\*\* AVERTISSEMENT : ETIQUETTE '10' DEFINIE, NON REFERENCEE.

\*\* AVERTISSEMENT : ETIQUETTE '11' DEFINIE, NON REFERENCEE.

\*\* AVERTISSEMENT : ETIQUETTE '12' DEFINIE, NON REFERENCEE.  
CD111Z0P 08/08/90 09.59.10

FURTRAN 00.00

14

```
1 * SEGMENT A+B+C  
2 SUBROUTINE REZOL  
3 DIMENSION MOD(175,4),T(175),KOD(175),DT(175),XS(215),YS(215),ICL(8  
4 *)  
5 DIMENSION UE(8,3),SIG(3,3)  
6 DIMENSION SI1(3),SI2(3),TF(3),FI(3)  
7 COMMON /A/RM(3,3),B(3,9),RE(8,9),W(2),XII(4),ETI(4),A(3),XE(4),  
8 *YE(4),TE,EPE,II,JJ,DETA J  
9 COMMON /B/UC(430,2),NLIN,IS,NINC  
10 COMMON /C/RS(430,22)  
11 CALCULUL DEPLASARILOR  
12 RESEMICO  
13 ELIMINARE COEFICIENTI  
14 DO 101 N=1,NLIN  
15 DO 102 L=2,IS  
16 IF (RS(N,L).EQ.0) GO TO 102  
17 I=N+L-1  
18 AL=RS(N,L)/RS(N,1)  
19 J=0  
20 DO 103 KK=L, IS  
21 J=J+1  
22 RS(I,J)=RS(I,J)-AL*RS(N,KK)  
23 CONTINUE  
24 RS(N,LL)=AL  
25 CONTINUE  
26 CONTINUE  
27 * ELIMINARE TERMENI LIBERI  
28 DO 104 LL=1,NINC  
29 DO 105 N=1,NLIN  
30 DO 106 L=2,IS  
31 IF (RS(N,L).EQ.0) GO TO 106  
32 I=N+LL-1  
33 U(I,LL)=U(I,LL)-RS(N,L)*U(N,LL)  
34 CONTINUE  
35 U(N,LL)=U(N,LL)/RS(N,1)  
36 CONTINUE  
37 CONTINUE  
38 SUBSTITUTIE  
39 DO 107 LL=1,NINC  
40 DO 108 M=2,NLIN  
41 N=NLIN+1-M  
42 DC 109 L=2, IS  
43 IF (RS(N,L).EQ.0) GO TO 109  
44 KK=N+L-1  
45 U(N,LL)=U(N,LL)-RS(N,L)*U(KK,LL)  
46 CONTINUE  
47 CONTINUE
```

FURTRAN 00.00

CD111Z0P 08/08/90 09.59.10

15

48 CONTINUE  
49 WRITE(108,20)U  
50 FORMAT(/3(/15.6E15.6))  
51 RETURN  
52 END

FURTRAN 00.00

COLLIZOP 08/08/90 09.59.10

ERREURS DETECTEES AU COURS DE LA COMPILATION :

\*\* VARIABLES NON REFERENCEES : K03  
 NOD SI1 K02  
 S12

FURTRAN 00.00

DI XS YS ICL UF  
 IF FI  
 COLLIZOP 08/08/90 09.59.10 17

MODULE	C	TYPE	C	LONGUEUR	9300 (37840)
MODULE	B	TYPE	C	LONGUEUR	007C (03452)
MODULE	A	TYPE	C	LONGUEUR	021B (00536)
MODULE	F%MDATA	TYPE	P	LONGUEUR	3198 (12696)
MODULE	C	TYPE	C	LONGUEUR	9300 (37840)
MODULE	B	TYPE	C	LONGUEUR	007C (03452)
MODULE	A	TYPE	C	LONGUEUR	021B (00536)
MODULE	MATR	TYPE	P	LONGUEUR	1EF8 (07928)
MODULE	C	TYPE	C	LONGUEUR	9300 (37840)
MODULE	B	TYPE	C	LONGUEUR	007C (03452)
MODULE	A	TYPE	C	LONGUEUR	021B (00536)
MODULE	FUNFORM	TYPE	P	LONGUEUR	1F1B (07960)
MODULE	C	TYPE	C	LONGUEUR	9300 (37840)
MODULE	B	TYPE	C	LONGUEUR	007C (03452)
MODULE	A	TYPE	C	LONGUEUR	021B (00536)
MODULE	REZOL	TYPE	P	LONGUEUR	1E20 (07712)

\*\*\*\*\* FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 09.59.23  
 TRFE X+(A+B+C)

COLL1046

CENTRUL DE CALCUL AL I.P.T. TIMISOARA ELIX C-512 SIEM - C000  
 0007 COLLIZOP AN = P800 PH = 0001 DATE = 08/08/90-220  
 H.DEP = 09H 58M 04S H.FIN = 09H 59M 27S TIME = 00004076  
 LGP = 00106 MEM = 00013 LO = 00000457 IN = 0000385 QDE = 000  
 CR = 01

LINK LINK NLG

STARTED

COLL1047

LINK 16.50.07 08/08/90 09H59M54S

SEGMENT	X	NO	1	IMPLANTATION	0
MODULE	F%MDATA			IMPLANTATION	80
MODULE	MATR			IMPLANTATION	3218
MODULE	FUNFORM			IMPLANTATION	5110
MODULE	REZOL			IMPLANTATION	7028











Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S  
47 000 47 000 47 000 48 000 45 000 45 000 45 000 45 000 44 000 42 500 42 500  
=  
Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S  
47 000 47 000 47 000 48 000 45 000 45 000 45 000 45 000 44 000 42 500 42 500  
=  
Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S Y Y S

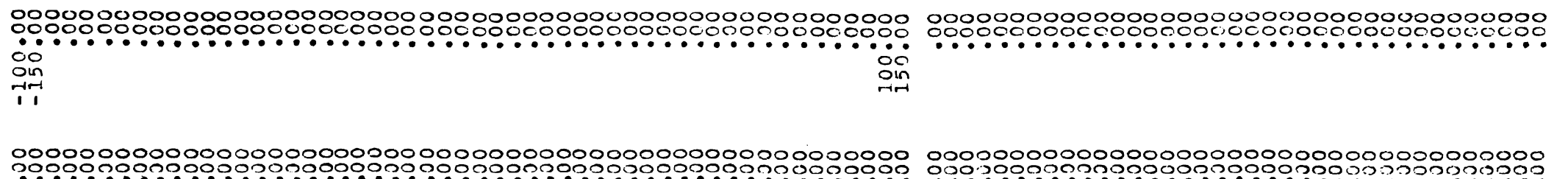
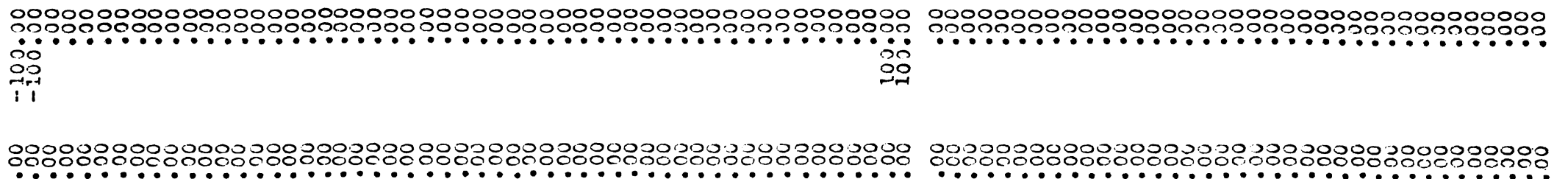
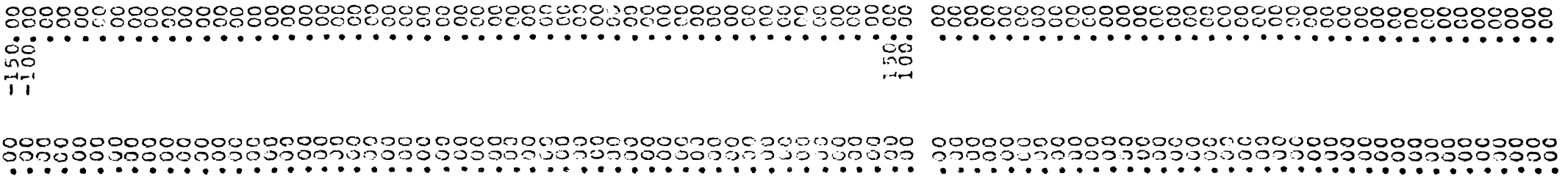
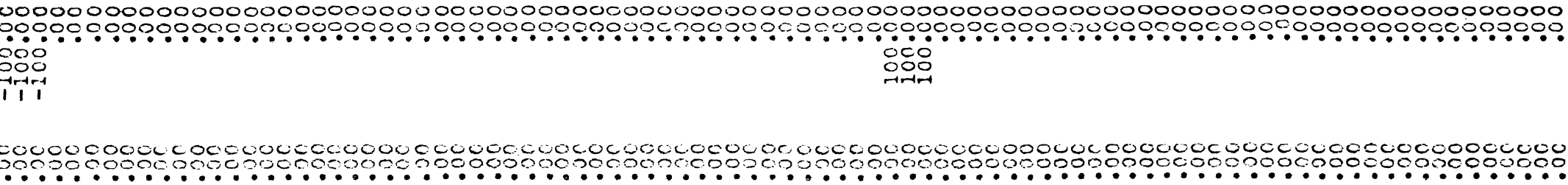
X X S X X S X X S X X S X X S X X S X X S X X S X X S X X S X X S X X S X X S  
68 000 10 000 12 000 14 000 16 500 4 000 6 000 8 000 10 000 4 600 8 000 10 000  
=  
X X S X X S X X S X X S X X S X X S X X S X X S X X S X X S X X S X X S X X S

N O B U L N O B U L N O B U L N O B U L N O B U L N O B U L N O B U L N O B U L  
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99  
100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199



IS= 22  
NLIN= 426

ICL 206 213 222  
-100.00  
-100.00













• 26392E+00  
• 38762E+00  
• 51515E+00  
• 31546E+00  
• 56287E+00  
• 36699E+00  
• 49062E+00  
• 61446E+00  
• 43054E+01  
• 48805E+01  
• 48557E+01  
• 46480E+01  
• 45986E+01  
• 43901E+01  
• 43655E+01  
• 43408E+01  
• 64937E+00  
• 54634E+00  
• 44333E+00  
• 59985E+00  
• 39384E+00  
• 55035E+00  
• 44733E+00  
• 34435E+00

ELEMENTUL 9

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• 85712E+01  
• 10280E+01  
• 40705E+00  
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• 12781E+00  
• 29364E+00  
• 46956E+00  
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• 18959E+01  
• 18617E+01  
• 33263E+01  
• 32579E+01  
• 47225E+01  
• 46883E+01  
• 46542E+01  
• 18924E+01  
• 14735E+01  
• 10546E+01  
• 19835E+01  
• 11458E+01  
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• 16557E+01  
• 12369E+01

ELEMENTUL 10

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• 15971E+01  
• 17104E+01  
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• 13906E+01  
• 12464E+01  
• 43709E+01  
• 43997E+01  
• 44280E+01  
• 53056E+01  
• 61251E+01  
• 61539E+01  
• 61827E+01  
• 59368E+01  
• 59955E+01  
• 60540E+01  
• 64491E+01  
• 65663E+01  
• 69615E+01  
• 70201E+01  
• 70787E+01  
• 27798E+01  
• 22535E+01  
• 17272E+01  
• 27413E+01  
• 15868E+01  
• 27029E+01  
• 21766E+01  
• 16503E+01

ELEMENTUL 11

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• 21800E+01  
• 19900E+01  
• 23734E+01  
• 17875E+01  
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• 59955E+01  
• 60540E+01  
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• 11759E+01  
• 17126E+01  
• 14052E+01  
• 10978E+01  
• 37059E+00  
• 34344E+00  
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• 29668E+00  
• 24235E+00  
• 22273E+00  
• 19563E+00  
• 15846E+00

ELEMENTUL 12

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• 24637E+01  
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• 19091E+01  
• 69748E+01  
• 69702E+01  
• 69646E+01  
• 70754E+01  
• 70100E+01  
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• 71207E+01  
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• 71387E+01  
• 71541E+01  
• 67609E+01  
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• 11692E+00  
• 73441E+00  
• 11897E+00  
• 97223E+00  
• 75484E+00

ELEMENTUL 13

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• 16154E+01  
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• 65987E+01  
• 65618E+01  
• 65248E+01  
• 60071E+01  
• 59332E+01  
• 54155E+01  
• 53784E+01  
• 53416E+01  
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• 18157E+01  
• 14607E+01  
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• 14114E+01  
• 20720E+01  
• 17171E+01  
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• 16015E+01  
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• 15072E+01

ELEMENTUL 14

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• 12256E+01  
• 14102E+01  
• 15922E+01  
• 12775E+01  
• 14623E+01  
• 16469E+01  
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• 64509E+00  
• 99947E+00  
• 42294E+00  
• 11299E+00  
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• 12605E+01  
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• 13672E+01  
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• 10185E+00  
• 74231E+00

ELEMENTUL 15

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• 93277E+00  
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• 91003E+00  
• 41782E+00  
• 74471E+00  
• 27722E+00  
• 49530E+00  
• 37636E+00  
• 93277E+00  
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• 91003E+00  
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• 74471E+00  
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• 43082E+01  
• 43428E+01  
• 35529E+01  
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• 25017E+01  
• 16434E+01  
• 13672E+01  
• 10909E+01  
• 14691E+00  
• 91663E+00  
• 12947E+00  
• 10185E+00  
• 74231E+00

ELEMENTUL 16

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• 49530E+00  
• 37636E+00  
• 93277E+00  
• 56068E+00  
• 91003E+00  
• 41782E+00  
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• 43082E+01  
• 43428E+01  
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• 25669E+01  
• 25017E+01  
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• 13672E+01  
• 10909E+01  
• 14691E+00  
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• 12947E+00  
• 10185E+00  
• 74231E+00

ELEMENTUL 17

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• 23586E+01  
• 24335E+01  
• 12165E+01  
• 32985E+01  
• 22485E+01  
• 11985E+01  
• 34983E+01

85899E+00	10666E+01	13983E+01
59024E+00	47166E+01	36981E+01
21565E+00	46417E+01	26481E+01
15896E+00	45667E+01	15980E+01
ELEMENTUL 18		
18396E+01	42306E+01	44896E+01
18782E+01	42229E+01	33964E+01
19169E+01	42151E+01	23032E+01
14751E+01	60526E+01	44999E+01
15527E+01	60371E+01	23135E+01
11077E+01	78746E+01	45102E+01
11494E+01	78669E+01	34170E+01
11882E+01	78591E+01	23238E+01
ELEMENTUL 19		
27495E+01	75468E+01	27264E+01
24394E+01	76089E+01	21081E+01
21290E+01	76709E+01	14898E+01
25426E+01	85774E+01	26437E+01
19229E+01	87015E+01	14070E+01
23374E+01	96079E+01	25609E+01
20272E+01	96700E+01	19426E+01
17169E+01	97320E+01	13243E+01
ELEMENTUL 20		
23840E+01	95986E+01	14745E+00
21557E+01	96443E+01	82550E-01
19275E+01	96899E+01	17700E-01
24057E+01	94905E+01	20831E+00
19493E+01	95818E+01	78568E+00
14274E+01	93824E+01	26917E+00
21999E+01	94281E+01	20427E+00
19708E+01	94737E+01	13942E+00
ELEMENTUL 21		
95776E+01	96763E+01	26968E+01
11803E+01	96317E+01	21039E+01
11493E+01	95872E+01	15110E+01
11554E+01	86881E+01	26374E+01
16009E+01	85989E+01	14516E+01
13530E+01	76999E+01	25789E+01
15758E+01	76553E+01	19851E+01
17984E+01	76107E+01	13922E+01
ELEMENTUL 22		
77124E+00	81248E+01	39754E+01
13443E-01	79678E+01	31742E+01
79855E+00	78107E+01	23731E+01
50414E+00	67893E+01	37661E+01
10656E+01	64755E+01	21638E+01
23732E+00	54541E+01	35569E+01
54752E+00	52974E+01	27557E+01
13325E+01	51404E+01	19545E+01
ELEMENTUL 23		
18325E+01	57732E+01	37318E+01
74258E+00	55553E+01	30465E+01
34740E+00	53372E+01	23612E+01
16040E+01	46310E+01	34411E+01
57588E+00	41950E+01	20705E+01
13757E+01	34890E+01	31505E+01
28568E+00	32710E+01	24651E+01
80428E+00	30530E+01	17798E+01
ELEMENTUL 24		
13747E+01	34890E+01	20038E+01
70059E+00	33540E+01	15684E+01
26398E-01	32192E+01	11330E+01
10844E+01	20376E+01	16442E+00
69823E+00	176479E+00	77350E+01
12010E+00	58643E+00	12493E+00
55403E+00	45166E+00	41397E+00
ELEMENTUL 25		
42413E+00	78120E+01	43871E+01
12009E+01	79673E+01	25525E+01
19776E+00	81227E+01	71783E+00
79896E+00	16965E+01	48014E+01
75451E+00	20072E+01	11321E+01
20220E+01	44190E+01	52157E+01
24533E+00	42636E+01	33810E+01
46859E+00	41083E+01	15464E+01
ELEMENTUL 26		
43190E+00	41009E+01	60397E+01
76463E+00	38616E+01	41888E+01
19612E+01	36223E+01	23379E+01
10409E+01	71858E+01	63588E+01
13444E+01	17072E+01	26569E+01
16659E+01	10271E+02	66779E+01
46933E+00	10031E+01	48270E+01
72728E+00	97921E+00	29760E+01

ELEMENTUL 27  
 -- 75989E+02  
 -- 1793E+01  
 -- 23663E+01  
 -- 50558E+01  
 -- 18632E+01  
 -- 10936E+00  
 -- 19332E+01  
 -- 13702E+01  
 -- 99391E+01  
 -- 97017E+01  
 -- 94643E+01  
 -- 12429E+02  
 -- 11954E+02  
 -- 14919E+02  
 -- 14682E+02  
 -- 14444E+02  
 41802E+01  
 26862E+01  
 11923E+01  
 44967E+01  
 15088E+01  
 48132E+01  
 33193E+01  
 19253E+01

ELEMENTUL 28  
 -- 90273E+00  
 -- 11597E+01  
 -- 14160E+01  
 -- 96761E+00  
 -- 14756E+01  
 -- 10225E+01  
 -- 12794E+01  
 -- 15366E+01  
 -- 14538E+02  
 -- 14486E+02  
 -- 14435E+02  
 -- 14238E+02  
 -- 14136E+02  
 -- 13939E+02  
 -- 13836E+02  
 -- 12423E+01  
 -- 10626E+01  
 -- 88307E+00  
 -- 11737E+01  
 -- 81454E+00  
 -- 11052E+01  
 -- 92560E+00  
 -- 74603E+00

ELEMENTUL 29  
 -- 24789E+01  
 -- 12060E+01  
 -- 16772E+01  
 -- 70994E+00  
 -- 67627E+01  
 -- 13405E+01  
 -- 14639E+02  
 -- 14385E+02  
 -- 14130E+02  
 -- 11455E+02  
 -- 10946E+01  
 -- 82711E+01  
 -- 80165E+01  
 -- 77619E+01  
 -- 69947E+01  
 -- 50842E+01  
 -- 31737E+01  
 -- 66554E+01  
 -- 23343E+01  
 -- 63158E+01  
 -- 44053E+01  
 -- 24948E+01

ELEMENTUL 30  
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 -- 32319E+01  
 -- 73378E+00  
 -- 51678E+01  
 -- 27153E+01  
 -- 46557E+01  
 -- 22076E+01  
 -- 24045E+00  
 -- 91660E+01  
 -- 86764E+01  
 -- 81867E+01  
 -- 66055E+01  
 -- 56262E+01  
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 -- 35554E+01  
 -- 30657E+01  
 -- 69648E+01  
 -- 54285E+01  
 -- 39922E+01  
 -- 52120E+01  
 -- 32594E+01  
 -- 55592E+01  
 -- 41229E+01  
 -- 25865E+01

ELEMENTUL 31  
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 -- 24981E+01  
 -- 27337E+01  
 -- 12071E+01  
 -- 41461E+01  
 -- 25660E+01  
 -- 98572E+00  
 -- 38060E+01  
 -- 35955E+01  
 -- 33848E+01  
 -- 31525E+01  
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 -- 21721E+01  
 -- 18562E+01  
 -- 15400E+01  
 -- 34903E+01  
 -- 31304E+01  
 -- 33098E+01  
 -- 24244E+01  
 -- 30254E+01  
 -- 24721E+01  
 -- 19189E+01

ELEMENTUL 32  
 -- 22417E+01  
 -- 13358E+01  
 -- 99497E+00  
 -- 25837E+01  
 -- 19258E+01  
 -- 94330E+00  
 -- 82043E+00  
 -- 26657E+00  
 -- 89314E+00  
 -- 15197E+01  
 -- 14212E+01  
 -- 16801E+01  
 -- 31089E+01  
 -- 24823E+01  
 -- 18557E+01  
 -- 19913E+01  
 -- 15900E+01  
 -- 15400E+01  
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 -- 71753E+00  
 -- 19913E+01  
 -- 15900E+01  
 -- 15400E+01  
 -- 12988E+01  
 -- 11287E+01  
 -- 45898E+01  
 -- 12793E+00  
 -- 71753E+00

ELEMENTUL 33  
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 -- 89314E+00  
 -- 15197E+01  
 -- 14212E+01  
 -- 16801E+01  
 -- 31089E+01  
 -- 24823E+01  
 -- 18557E+01  
 -- 13039E+02  
 -- 13165E+02  
 -- 13290E+01  
 -- 46513E+01  
 -- 38379E+01  
 -- 37126E+01  
 -- 35873E+01  
 -- 13058E+01  
 -- 19910E+01  
 -- 41799E+01  
 -- 89450E+00  
 -- 46812E+01  
 -- 29935E+01  
 -- 13058E+01  
 -- 19910E+01  
 -- 41799E+01  
 -- 89450E+00  
 -- 46812E+01  
 -- 29935E+01

ELEMENTUL 34  
 -- 29925E+01  
 -- 16291E+00  
 -- 37448E+01  
 -- 10178E+01  
 -- 44970E+01  
 -- 31330E+01  
 -- 17700E+01  
 -- 39147E+01  
 -- 35420E+01  
 -- 32693E+01  
 -- 75758E+01  
 -- 70304E+02  
 -- 11337E+01  
 -- 11064E+01  
 -- 10792E+02  
 -- 51388E+01  
 -- 36343E+01  
 -- 21209E+01  
 -- 56784E+01  
 -- 26789E+01  
 -- 62251E+01  
 -- 472507E+01

ELEMENTUL 35  
 -- 51363E+01  
 -- 26241E+01  
 -- 11177E+00  
 -- 60271E+01  
 -- 10125E+01  
 -- 19378E+01  
 -- 44256E+01  
 -- 19133E+01  
 -- 11465E+02  
 -- 10460E+02  
 -- 15969E+02  
 -- 14964E+02  
 -- 20472E+02  
 -- 19970E+02  
 -- 19467E+02  
 -- 43260E+01  
 -- 25245E+00  
 -- 53309E+01  
 -- 17235E+01  
 -- 63343E+01  
 -- 45343E+01  
 -- 27328E+01

ELEMENTUL 36  
 -- 99181E+01  
 -- 49625E+01  
 -- 21068E+02  
 -- 20077E+02  
 -- 21514E+01  
 -- 27371E+01

-- 697325-02  
-- 10211E+00  
-- 19976E+02  
-- 10504E+02  
-- 5482E+01  
-- 5926E+00

ELEMENTUL 37

-- 19047E+02  
-- 11570E+02  
-- 40940E+01  
-- 13400E+02  
-- 14379E+01  
-- 96357E+01  
-- 46515E+01  
-- 33279E+00

ELEMENTUL 38

-- 37544E+01  
-- 25626E+01  
-- 41419E+01  
-- 33468E+01  
-- 42437E+01  
-- 29391E+01  
-- 28887E+01  
-- 43457E+01

ELEMENTUL 39

-- 89249E-01  
-- 42080E+00  
-- 75236E+01  
-- 17542E+01  
-- 10911E+01  
-- 35977E+01  
-- 32661E+01  
-- 29346E+01

ELEMENTUL 40

-- 42056E+01  
-- 35119E+01  
-- 28182E+01  
-- 50446E+01  
-- 36573E+01  
-- 58836E+01  
-- 51900E+01  
-- 44963E+01

ELEMENTUL 41

-- 59246E+01  
-- 55301E+01  
-- 21356E+01  
-- 71336E+01  
-- 63446E+01  
-- 83482E+01  
-- 79482E+01  
-- 75537E+01

ELEMENTUL 42

-- 27113E+01  
-- 39113E+02  
-- 10534E+02  
-- 22501E+00  
-- 13470E+02  
-- 31613E+01  
-- 97838E+01  
-- 16406E+02

ELEMENTUL 43

-- 79164E+00  
-- 44810E+00  
-- 10456E+00  
-- 10573E+01  
-- 17446E+01  
-- 29066E+01  
-- 32502E+01  
-- 335937E+01

ELEMENTUL 44

-- 26255E+01  
-- 34136E+01  
-- 42016E+01  
-- 34763E+01  
-- 50524E+01  
-- 43271E+01  
-- 59031E+01

ELEMENTUL 45

-- 45766E+01  
-- 52603E+01  
-- 59461E+01  
-- 50287E+01  
-- 71966E+01  
-- 70809E+01

-- 33227E+01  
-- 16924E+01  
-- 13405E+01  
-- 13130E+01  
-- 12274E+01  
-- 64172E+00

-- 18528E+02  
-- 11808E+02  
-- 52477E+01  
-- 13480E+02  
-- 28553E+01  
-- 19114E+02  
-- 55871E+01  
-- 12603E+01

-- 53613E+00  
-- 14203E+01  
-- 19094E+01  
-- 51660E+00  
-- 21726E+01  
-- 15696E+01  
-- 22626E+01  
-- 24358E+01

-- 31658E+01  
-- 86145E+00  
-- 14429E+01  
-- 33780E+01  
-- 12307E+01  
-- 35902E+01  
-- 12858E+01  
-- 10185E+01

-- 36343E+01  
-- 15367E+01  
-- 56090E+00  
-- 38563E+01  
-- 33895E+00  
-- 40783E+01  
-- 19807E+01  
-- 11694E+00

-- 40246E+01  
-- 10020E+01  
-- 20206E+01  
-- 41508E+01  
-- 13943E+01  
-- 42770E+01  
-- 12545E+01  
-- 17681E+01

-- 44258E+01  
-- 29148E+01  
-- 10255E+02  
-- 23066E+01  
-- 12375E+02  
-- 18736E+00  
-- 71532E+01  
-- 14494E+02

-- 15557E+01  
-- 75572E+01  
-- 30671E+01  
-- 13358E+01  
-- 32870E+01  
-- 11160E+01  
-- 11955E+01  
-- 35069E+01

-- 79118E+00  
-- 13358E+01  
-- 34627E+01  
-- 53909E+01  
-- 37149E+01  
-- 28685E+00  
-- 18401E+01  
-- 39670E+01

-- 22399E+01  
-- 89043E+01  
-- 40208E+01  
-- 42211E+01  
-- 42396E+01  
-- 18023E+01

-.77646E+01	-.24101E+02	-.13280E+01
-.84483E+01	-.24238E+02	-.44584E+01
ELEMENTUL 46		
-.92778E+01	-.24404E+02	-.98060E+01
-.33361E+01	-.23216E+02	-.27482E+01
-.26055E+02	-.22070E+02	-.43096E+01
-.12101E+02	-.38519E+02	-.11707E+02
-.21760E+02	-.36143E+02	-.24082E+01
-.14922E+02	-.52635E+02	-.13609E+02
-.89823E+01	-.51447E+02	-.65509E+01
-.30407E+01	-.50258E+02	-.59688E+00
ELEMENTUL 47		
-.15642E+01	-.13517E+02	-.15693E+00
-.95712E+00	-.13394E+02	-.19553E+01
-.33592E+00	-.13271E+02	-.35537E+01
-.13408E+00	-.50246E+01	-.64829E+00
-.13625E+01	-.47789E+01	-.40455E+01
-.18325E+01	-.34674E+01	-.11396E+01
-.24467E+01	-.35903E+01	-.29380E+01
-.30609E+01	-.37131E+01	-.45336E+01
ELEMENTUL 48		
-.37189E+01	-.30935E+01	-.16953E+01
-.13713E+01	-.33752E+01	-.32783E+01
-.27798E+01	-.36569E+01	-.49612E+01
-.75429E+01	-.76509E+01	-.22597E+01
-.35713E+01	-.76143E+01	-.54246E+01
-.15458E+01	-.11008E+02	-.58221E+01
-.29543E+01	-.11290E+02	-.44051E+01
-.43628E+01	-.11572E+02	-.59880E+01
ELEMENTUL 49		
-.15790E+00	-.10668E+02	-.37022E+00
-.22272E+01	-.11145E+02	-.22026E+01
-.46123E+01	-.11622E+02	-.40350E+01
-.75829E+00	-.15249E+02	-.13243E+01
-.55285E+01	-.16203E+02	-.49890E+01
-.16745E+01	-.19830E+02	-.22783E+01
-.40596E+01	-.20307E+02	-.41107E+01
-.64447E+01	-.20784E+02	-.59431E+01
ELEMENTUL 50		
-.11893E+00	-.19471E+02	-.38121E+01
-.42613E+01	-.20347E+02	-.29363E+01
-.86416E+01	-.21223E+02	-.20606E+01
-.31892E+00	-.21660E+02	-.20600E+01
-.90795E+01	-.23412E+02	-.30851E+00
-.75679E+00	-.23849E+02	-.56788E+00
-.51371E+01	-.24726E+02	-.14443E+01
-.95174E+01	-.25602E+02	-.14443E+01
ELEMENTUL 51		
-.34501E+01	-.24388E+02	-.71770E+01
-.10840E+02	-.25866E+02	-.12192E+02
-.18230E+02	-.27344E+02	-.17208E+02
-.94242E+02	-.11850E+02	-.42211E+01
-.15722E+01	-.14806E+02	-.14252E+02
-.15652E+01	-.68855E+00	-.12652E+01
-.58245E+01	-.78940E+00	-.62805E+01
-.13214E+02	-.22673E+01	-.11296E+02
ELEMENTUL 52		
-.36642E+01	-.35735E+00	-.96177E+00
-.18115E+01	-.13211E+00	-.75091E+00
-.41326E+01	-.38450E+00	-.54005E+00
-.64099E+01	-.88450E+00	-.17029E+01
-.38751E+01	-.14339E+01	-.12812E+01
-.20223E+00	-.14116E+01	-.24440E+01
-.16953E+00	-.10411E+01	-.22331E+01
	-.67053E+00	-.20223E+01
ELEMENTUL 53		
-.15456E+01	-.94574E+00	-.47478E+00
-.86099E+01	-.65384E+00	-.38240E+00
-.13734E+01	-.36194E+00	-.29002E+00
-.14994E+01	-.361479E+00	-.10901E+00
-.14196E+01	-.13100E+00	-.29377E+00
-.14522E+01	-.48384E+00	-.69280E+00
-.62836E+02	-.19194E+00	-.78519E+00
-.14658E+01	-.999952E+01	-.877757E+00
ELEMENTUL 54		
-.30939E+00	-.25508E+00	-.54776E+00
-.59577E+01	-.18128E+00	-.50582E+00
-.42854E+00	-.10749E+00	-.46388E+00
-.26745E+00	-.45367E+01	-.25259E+00
-.47049E+00	-.10222E+00	-.16871E+01
-.22550E+00	-.10435E+00	-.42583E+01
-.14346E+00	-.31193E+00	-.84525E+00
-.51243E+00	-.31193E+00	-.12647E+00
ELEMENTUL 55		

20015E+01	10059E+02	8238E+00
14136E+01	99411E+01	22352E+01
82570E+00	98235E+01	35410E+01
59574E+00	30297E+01	12997E+01
58010E+00	27945E+01	41113E+01
81007E+00	39993E+01	17701E+01
13980E+01	41169E+01	31759E+01
19859E+01	42345E+01	45817E+01

ELEMENTUL 56

20428E+01	34286E+01	23142E+01
96270E+00	36446E+01	37253E+01
11622E+00	38606E+01	51373E+01
13380E+01	69574E+01	27462E+01
82220E+00	73894E+01	55693E+01
64276E+00	10702E+02	31782E+01
15278E+01	10919E+02	45898E+01
		60013E+01

ELEMENTUL 57

28372E+01	10045E+02	10857E+01
15065E+01	10311E+02	23176E+01
17521E+00	10578E+02	35495E+01
22112E+01	13125E+02	16179E+01
44002E+00	13657E+02	49817E+01
16059E+01	16205E+02	21502E+01
27466E+01	16471E+02	33821E+01
10560E+01	16737E+02	45140E+01

ELEMENTUL 58

23344E+01	16059E+02	14620E+01
15559E+01	16219E+02	14692E+01
73744E+01	16378E+02	14764E+01
23380E+01	16041E+02	11427E+01
23411E+01	16360E+02	11570E+01
15431E+01	16023E+02	82329E+00
74462E+00	16183E+02	83047E+00
	16342E+02	83765E+00

ELEMENTUL 59

24584E+00	16442E+02	40320E+01
85143E+01	16662E+02	58694E+01
19487E+01	16881E+02	77068E+01
11645E+01	11849E+02	35931E+01
10832E+01	12288E+02	72579E+01
98596E+00	74747E+01	31542E+01
11131E+00	76942E+01	49916E+01
		68290E+01

ELEMENTUL 60

68087E+00	78081E+01	40531E+01
30108E+01	82741E+01	52943E+01
53408E+01	87401E+01	65255E+01
47252E+01	47300E+01	31311E+01
55036E+00	56620E+01	55936E+01
17796E+01	16520E+01	21991E+01
41096E+01	21180E+01	34304E+01
	25840E+01	46616E+01

ELEMENTUL 61

99285E+01	19620E+01	13633E+01
13899E+01	20400E+01	15530E+01
17800E+01	21181E+01	17422E+01
90497E+00	14876E+01	12072E+01
16852E+00	16436E+01	15866E+01
81009E+00	10132E+01	10512E+01
12002E+01	10912E+01	12410E+01
15903E+01	11692E+01	14307E+01

ELEMENTUL 62

48632E+00	94844E+00	14207E+00
46640E+00	94445E+00	24044E+01
44647E+00	94047E+00	19016E+00
32021E+00	11787E+00	12613E+00
28035E+00	10990E+00	20610E+00
15409E+00	71268E+00	11019E+01
13417E+00	71668E+00	55926E+01
11424E+00	72066E+00	22204E+00

ELEMENTUL 63

19961E+01	64483E+01	96101E+00
16220E+01	63737E+01	20361E+01
12496E+01	62590E+01	3112E+01
92107E+00	10730E+01	12596E+01
17453E+00	92364E+01	34098E+01
15400E+00	43024E+01	15582E+01
52727E+00	43771E+01	26333E+01
90054E+00	44517E+01	37084E+01

ELEMENTUL 64

27441E+01	37228E+01	19914E+01
3487E+01	38019E+01	31220E+01
19533E+01	38809E+01	42525E+01
21788E+01	65492E+01	21496E+01



138800E+01	--67074E+01	--44107E+01
161360E+01	--93757E+01	--23077E+01
121922E+01	--94547E+01	--34383E+01
822759E+00	--95338E+01	--45689E+01
ELEMENTUL 65		
345070E+01	--90082E+01	--97697E+00
339280E+01	--90505E+01	--17266E+01
302775E+01	--90928E+01	--24763E+01
307590E+01	--10882E+02	--10616E+01
265700E+01	--10967E+02	--25600E+01
270170E+01	--12757E+02	--11462E+01
248950E+01	--12799E+02	--18759E+01
227000E+01	--12841E+02	--26455E+01
ELEMENTUL 66		
323590E+01	--12650E+02	--82434E+00
312150E+01	--12672E+02	--89552E+00
300710E+01	--12695E+02	--96669E+00
304270E+01	--12517E+02	--77858E+00
300710E+01	--12294E+02	--92093E+00
319270E+01	--12317E+02	--73281E+00
307520E+01	--12339E+02	--80399E+00
ELEMENTUL 67		
222910E+01	--12510E+02	--24493E+01
160920E+01	--12634E+02	--32666E+01
99255E+00	--12759E+02	--40809E+01
260920E+01	--10466E+02	--22002E+01
100220E+01	--10715E+02	--38348E+01
304540E+01	--84229E+01	--17510E+01
242260E+01	--85475E+01	--27684E+01
179960E+01	--86720E+01	--35857E+01
ELEMENTUL 68		
104210E+01	--88236E+01	--26841E+01
399160E+01	--90242E+01	--35894E+01
964270E+01	--65605E+01	--44946E+01
149470E+01	--69618E+01	--22829E+01
511600E+00	--42974E+01	--40913E+01
194720E+01	--44987E+01	--19816E+01
944150E+01	--46987E+01	--17868E+01
589980E+01	--46987E+01	--35921E+01
ELEMENTUL 69		
29225E+00	--46284E+01	--17424E+01
658470E+00	--50087E+01	--22993E+01
160920E+01	--32362E+01	--28562E+01
570710E+00	--30165E+01	--13621E+01
330700E+01	--18439E+01	--24750E+01
849160E+00	--20340E+01	--99180E+00
101560E+00	--22242E+01	--15397E+01
105230E+01	--20574E+01	--20956E+01
ELEMENTUL 70		
218580E+00	--21084E+01	--29292E+00
472550E+00	--21594E+01	--59764E+00
728520E+00	--53383E+00	--90236E+00
861420E+00	--63582E+00	--89947E+00
490860E+00	--99976E+00	--61907E+00
35890E+00	--93877E+00	--11503E+00
119080E+00	--88777E+00	--19969E+00
ELEMENTUL 71		
169800E+01	--35192E+01	--67877E+00
154820E+01	--34893E+01	--14613E+01
139830E+01	--34593E+01	--22438E+01
915520E+00	--39325E+00	--79864E+00
615850E+00	--43318E+00	--23636E+00
133020E+00	--43057E+01	--91851E+00
168130E+01	--81219E+01	--17010E+01
166650E+00	--81116E+01	--24835E+01
ELEMENTUL 72		
268000E+01	--37963E+01	--11864E+01
270570E+01	--37912E+01	--20515E+01
273150E+01	--37860E+01	--29166E+01
224740E+01	--59591E+01	--11761E+01
229890E+01	--59488E+01	--29063E+01
181480E+01	--81219E+01	--11653E+01
186640E+01	--81116E+01	--20309E+01
ELEMENTUL 73		
347040E+01	--77908E+01	--47216E+00
358700E+01	--77675E+01	--10187E+01
370360E+01	--77441E+01	--15653E+00
319710E+01	--91572E+01	--42553E+00
343030E+01	--91106E+02	--15187E+01
292380E+01	--10524E+02	--37890E+00
304040E+01	--10500E+02	--92547E+00
315700E+01	--10477E+02	--14720E+01

ELEMENTUL	74				
•36314E+01	•10382E+02	•57187E+00			
•36617E+01	•10376E+02	•53519E+00			
•36913E+01	•10474E+02	•49850E+00			
•36132E+01	•10462E+02	•58391E+00			
•36725E+01	•10565E+02	•51054E+00			
•35949E+01	•10559E+02	•59595E+00			
•36250E+01	•10555E+02	•55927E+00			
•36551E+01		•52258E+00			
ELEMENTUL	75				
•31069E+01	•10663E+02	•13611E+01			
•28415E+01	•10716E+02	•18000E+01			
•25751E+01	•10769E+02	•22390E+01			
•33264E+01	•95656E+01	•12549E+01			
•27956E+01	•96718E+01	•21320E+01			
•35459E+01	•84682E+01	•11487E+01			
•32803E+01	•85212E+01	•15877E+01			
•30151E+01	•85743E+01	•20267E+01			
ELEMENTUL	76				
•21824E+01	•87409E+01	•14635E+01			
•15971E+01	•88579E+01	•21117E+01			
•10112E+01	•89750E+01	•27598E+01			
•25056E+01	•71254E+01	•13294E+01			
•13335E+01	•73502E+01	•25257E+01			
•26305E+01	•55002E+01	•99527E+00			
•22452E+01	•56173E+01	•16434E+01			
•16599E+01	•57343E+01	•22915E+01			
ELEMENTUL	77				
•11850E+01	•58293E+01	•93753E+00			
•59510E+00	•59473E+01	•15449E+01			
•48714E+02	•60653E+01	•21523E+01			
•14890E+01	•45108E+01	•70143E+00			
•20857E+01	•45469E+01	•19162E+01			
•17927E+01	•27923E+01	•46535E+00			
•12026E+00	•29103E+01	•10727E+01			
•61226E+00	•30284E+01	•15801E+01			
ELEMENTUL	78				
•69695E+01	•31369E+01	•17783E+00			
•19291E+00	•31894E+01	•59454E+00			
•45549E+00	•32419E+01	•99124E+00			
•47637E+00	•11034E+01	•32231E+01			
•88772E+00	•12084E+01	•29119E+00			
•88308E+00	•93017E+00	•24229E+00			
•62051E+00	•87766E+00	•15442E+00			
•35794E+00	•82514E+00	•57113E+00			
ELEMENTUL	79				
•13053E+01	•16786E+01	•19849E+00			
•13101E+01	•16811E+01	•75953E+00			
•13909E+01	•16837E+01	•13506E+01			
•72428E+00	•12267E+01	•17825E+00			
•74986E+00	•12216E+01	•13403E+01			
•14320E+00	•41319E+01	•15802E+00			
•15602E+00	•41293E+01	•74907E+00			
•16881E+00	•41268E+01	•13301E+01			
ELEMENTUL	80				
•23029E+01	•37000E+01	•13312E+00			
•25097E+01	•36587E+01	•19537E+00			
•27157E+01	•36174E+01	•15980E+01			
•19516E+01	•54561E+01	•11054E+01			
•23645E+01	•53735E+01	•15154E+01			
•16004E+01	•72122E+01	•27967E+00			
•18069E+01	•71709E+01	•73042E+00			
•20133E+01	•71296E+01	•14329E+01			
ELEMENTUL	81				
•22078E+01	•68907E+01	•24258E+00			
•34389E+01	•67446E+01	•24832E+00			
•36689E+01	•67985E+01	•73922E+00			
•34623E+01	•81190E+01	•33479E+00			
•27169E+01	•80258E+01	•64701E+00			
•29474E+01	•93452E+01	•63890E+01			
•31780E+01	•92991E+01	•55479E+00			
ELEMENTUL	82				
•36213E+01	•91504E+01	•66234E+00			
•37885E+01	•91309E+01	•52916E+00			
•38857E+01	•91155E+01	•39593E+00			
•36247E+01	•94183E+01	•79123E+00			
•38191E+01	•94444E+01	•48487E+00			
•35561E+01	•98162E+01	•74012E+00			
•37526E+01	•97774E+01	•47375E+00			
ELEMENTUL	83				
•35643E+01	•98150E+01	•74143E+00			
•34144E+01	•98450E+01	•99015E+00			



• 32646E+01	• 98749E+01	• 12389E+01
• 336887E+01	• 91932E+01	• 68148E+01
• 33889E+01	• 92531E+01	• 11789E+01
• 38130E+01	• 85714E+01	• 62153E+00
• 36632E+01	• 86014E+01	• 87925E+01
• 35133E+01	• 86313E+01	• 11190E+01
ELEMENTUL 84		
• 28321E+01	• 87676E+01	• 38866E+00
• 24909E+01	• 88358E+01	• 91121E+00
• 21498E+01	• 89041E+01	• 14337E+01
• 30933E+01	• 74612E+01	• 25220E+01
• 24110E+01	• 75977E+01	• 12973E+01
• 33546E+01	• 61549E+01	• 11574E+00
• 30135E+01	• 62231E+01	• 63829E+00
• 26723E+01	• 62913E+01	• 11608E+01
ELEMENTUL 85		
• 17457E+01	• 64766E+01	• 15298E+00
• 13864E+01	• 65485E+01	• 47503E+00
• 10277E+01	• 66204E+01	• 11031E+01
• 20599E+01	• 49066E+01	• 29672E+00
• 13411E+01	• 50503E+01	• 95936E+00
• 13738E+01	• 33365E+01	• 44044E+00
• 20145E+01	• 34083E+01	• 18760E+00
• 16551E+01	• 34802E+01	• 81563E+00
ELEMENTUL 86		
• 21621E+00	• 37680E+01	• 41662E+00
• 74149E-01	• 37964E+01	• 55748E-01
• 67912E-01	• 38248E+01	• 52812E+00
• 68858E+00	• 14061E+01	• 53027E+00
• 40446E+00	• 14630E+01	• 41446E+00
• 11609E+01	• 95571E+00	• 64392E+00
• 10189E+01	• 92730E+00	• 17155E+00
• 87682E+00	• 89888E+00	• 30082E+00
ELEMENTUL 87		
• 87869E+00	• 90637E+00	• 29845E+00
• 10205E+01	• 93472E+00	• 174557E+00
• 40568E+00	• 96308E+01	• 64759E+00
• 68921E+00	• 14587E+01	• 41186E+00
• 67344E-01	• 14020E+01	• 534418E+00
• 74421E-01	• 38238E+01	• 52527E+00
• 21619E+00	• 37955E+01	• 52253E-01
• 16577E+01	• 37671E+01	• 42077E+00
ELEMENTUL 88		
• 20168E+01	• 34788E+01	• 81123E+00
• 23758E+01	• 34070E+01	• 19268E+00
• 13435E+01	• 33352E+01	• 44586E+00
• 20616E+01	• 50502E+01	• 95485E+00
• 10292E+01	• 49066E+01	• 30224E+00
• 13882E+01	• 66215E+01	• 10985E+01
• 17473E+01	• 65497E+01	• 46992E+00
• 267747E+01	• 64779E+01	• 15862E+00
• 30147E+01	• 6244E+01	• 13429E+01
• 33547E+01	• 61564E+01	• 111927E+01
• 30935E+01	• 75984E+01	• 12792E+00
• 24923E+01	• 74624E+01	• 24286E+01
• 28323E+01	• 89043E+01	• 190628E+00
• 35161E+01	• 87683E+01	• 38391E+00
ELEMENTUL 89		
• 36614E+01	• 86315E+01	• 1160E+01
• 38067E+01	• 86025E+01	• 86762E+00
• 33919E+01	• 85734E+01	• 61924E+01
• 36825E+01	• 92525E+01	• 117437E+00
• 32677E+01	• 91944E+01	• 67733E+01
• 34130E+01	• 98734E+01	• 12323E+01
• 35583E+01	• 98444E+01	• 93387E+00
• 35161E+01	• 98153E+01	• 733549E+00
ELEMENTUL 90		
• 37524E+01	• 97765E+01	• 4972E+00
• 35645E+01	• 97953E+01	• 60326E+00
• 36190E+01	• 98141E+01	• 736817E+00
• 36333E+01	• 94802E+01	• 499226E+00
• 38859E+01	• 91088E+01	• 394622E+00
• 37919E+01	• 91276E+01	• 52817E+00
• 36980E+01	• 91463E+01	• 66171E+00
ELEMENTUL 91		
• 31771E+01	• 92505E+01	• 55324E+00
• 29471E+01	• 92965E+01	• 62200E-01
• 31771E+01	• 93425E+01	• 42884E+00
• 20622E+01	• 80229E+01	• 64525E+00
• 16682E+01	• 81149E+01	• 63683E+00
• 16682E+01	• 67953E+01	• 73725E+00

.34381E+01	--.68413E+01	--.24621E+00
.32081E+01	--.68873E+01	.24483E+00
ELEMENTUL 93		
.20117E+01	--.71266E+01	--.14274E+01
.18055E+01	--.71679E+01	--.72564E+00
.15972E+01	--.72091E+01	--.23902E-01
.23625E+01	--.53723E+01	--.15099E+01
.19501E+01	--.54548E+01	--.10639E+00
.27134E+01	--.36179E+01	--.15924E+01
.25072E+01	--.36592E+01	--.89061E+00
.23010E+01	--.37004E+01	--.18887E+00
ELEMENTUL 94		
.16962E+00	--.41267E+01	--.13241E+01
.15622E+00	--.41293E+01	--.74459E+00
.14342E+00	--.41319E+01	--.16505E+00
.74916E+00	--.12290E+01	--.13346E+01
.72297E+00	--.12342E+01	--.17553E+00
.13297E+01	--.16688E+01	--.13451E+01
.13156E+01	--.16662E+01	--.76555E+00
.11025E+01	--.16635E+01	--.13600E+00
ELEMENTUL 95		
.35956E+00	.82889E+00	.56941E+00
.62187E+00	.88136E+00	.16235E+00
.88419E+00	.93382E+00	.24470E+00
--.47495E-01	--.12064E+01	--.77926E+00
.47713E+00	--.11015E+01	--.34851E-01
.45459E+00	--.32417E+01	.98911E+00
--.19224E+00	--.31892E+01	.53205E+00
.70074E-01	--.31367E+01	.17500E+00
ELEMENTUL 96		
.61595E+00	--.30276E+01	.16765E+01
.12035E+01	--.29096E+01	.10687E+01
.17951E+01	--.27917E+01	.46095E+00
.31206E+01	--.45470E+01	.19124E+01
.14912E+01	--.43112E+01	.69679E+00
.81711E-02	--.60115E+01	.21482E+01
.59777E+00	--.59486E+01	.15404E+01
.11974E+01	--.58306E+01	.93263E+00
ELEMENTUL 97		
.16650E+01	--.57351E+01	.22871E+01
.2490E+01	--.56183E+01	.16390E+01
.28129E+01	--.55015E+01	.99082E+00
.13410E+01	--.73554E+01	.25206E+01
.25088E+01	--.71219E+01	.12244E+01
.10169E+01	--.89758E+01	.27542E+01
.16008E+01	--.88590E+01	.21061E+01
.21847E+01	--.87422E+01	.14579E+01
ELEMENTUL 98		
.30200E+01	--.85751E+01	.20216E+01
.32842E+01	--.85223E+01	.15835E+01
.35489E+01	--.84694E+01	.11453E+01
.28009E+01	--.96705E+01	.21273E+01
.33294E+01	--.95648E+01	.12510E+01
.25918E+01	--.10766E+02	.22330E+01
.23461E+01	--.10713E+02	.17949E+01
.31103E+01	--.10660E+02	.13567E+01
ELEMENTUL 99		
.36579E+01	--.10551E+02	.51890E+00
.36264E+01	--.10557E+02	.55652E+00
.35949E+01	--.10563E+02	.59416E+00
.36767E+01	--.10469E+02	.50629E+00
.36137E+01	--.10469E+02	.58155E+00
.36955E+01	--.10363E+02	.49336E+00
.36640E+01	--.10369E+02	.53131E+00
.36325E+01	--.10375E+02	.56894E+00
ELEMENTUL 100		
.31578E+01	--.10470E+02	.14722E+01
.30408E+01	--.10493E+02	.92557E+00
.29238E+01	--.10517E+02	.37892E+01
.34311E+01	--.91035E+01	.15190E+00
.31972E+01	--.91503E+01	.42570E+00
.37044E+01	--.77368E+01	.15658E+01
.35875E+01	--.77602E+01	.10191E+01
.34705E+01	--.77836E+01	.47249E+00
ELEMENTUL 101		
.18660E+01	--.81045E+01	.28906E+01
.18400E+01	--.81097E+01	.20266E+01
.18140E+01	--.81149E+01	.11626E+01
.22480E+01	--.59446E+01	.27010E+01
.22480E+01	--.59549E+01	.11733E+01
.27300E+01	--.37898E+01	.29114E+01
.27040E+01	--.37898E+01	.20474E+01
.26780E+01	--.37950E+01	.11834E+01
ELEMENTUL 102		

16392E+00	43634E+01	24752E+01
1485E+01	43335E+01	15952E+01
1342E+00	43037E+01	91520E+00
61607E+00	46336E+00	23559E+01
91420E+00	40374E+00	79595E+00
13061E+01	34366E+01	2367E+01
13491E+01	34664E+01	14567E+01
15947E+01	34963E+01	57670E+00
ELEMENTUL 103		
13734E+00	88925E+00	47342E+00
13734E+00	94024E+00	18651E+00
32203E+00	99124E+00	11640E+00
42120E+01	63531E+00	62741E+00
72771E+00	53331E+00	87599E+01
47278E+00	21599E+01	90140E+00
21779E+00	21009E+01	59649E+00
	20579E+01	21158E+00
ELEMENTUL 104		
10429E+01	22241E+01	20939E+01
9302E+01	20339E+01	15364E+01
13270E+00	16438E+01	77893E+00
5739E+00	36177E+01	13595E+01
1600E+01	32374E+01	28545E+01
6592E+00	50114E+01	25971E+01
2957E+00	48212E+01	17396E+01
	46311E+01	
ELEMENTUL 105		
5162E+01	47005E+01	35899E+01
3985E+00	45001E+01	27937E+01
12551E+00	42997E+01	13785E+01
1400E+01	69635E+01	40997E+01
1400E+01	65628E+01	22793E+01
4563E+01	92266E+01	44905E+01
1046E+01	90262E+01	35852E+01
	88258E+01	2680E+01
ELEMENTUL 106		
14082E+01	86736E+01	3580E+01
24201E+01	85494E+01	27637E+01
1400E+01	84252E+01	19474E+01
2642E+00	10714E+02	33234E+01
1612E+01	10456E+02	21358E+01
23307E+01	12631E+02	40769E+01
	12507E+02	32685E+01
	12507E+02	24442E+01
ELEMENTUL 107		
30873E+01	12336E+02	86912E+00
3193E+01	12314E+02	79957E+00
3098E+01	12292E+02	73003E+00
3052E+01	12510E+02	91061E+00
3278E+01	12465E+02	77453E+00
30177E+01	12684E+02	55811E+00
3129E+01	12661E+02	88856E+00
3240E+01	12639E+02	81902E+00
ELEMENTUL 108		
2284E+01	12830E+02	26471E+01
24934E+01	12789E+02	18970E+01
27024E+01	12747E+02	11469E+01
26592E+01	10955E+02	25635E+01
3077E+01	10871E+02	10623E+01
30344E+01	90798E+01	24799E+01
32435E+01	90380E+01	17298E+01
3452E+01	89962E+01	97962E+00
ELEMENTUL 109		
83072E+00	95205E+01	45625E+01
12224E+01	94422E+01	34335E+01
16141E+01	93638E+01	23044E+01
13952E+01	66979E+01	44058E+01
2179E+01	65413E+01	21477E+01
19597E+01	38754E+01	42491E+01
23514E+01	37970E+01	31201E+01
2743E+01	37187E+01	1991E+01
ELEMENTUL 110		
89252E+00	44458E+01	36975E+01
52164E+00	43716E+01	26262E+01
1507E+00	42975E+01	15549E+01
17802E+00	91087E+00	34008E+01
92059E+01	10592E+01	12582E+01
12502E+01	62676E+01	31041E+01
16210E+01	63417E+01	20328E+01
10910E+01	64159E+01	96144E+00
ELEMENTUL 111		
11385E+00	72107E+00	22164E+00
13350E+00	71714E+00	55421E+01
15315E+00	71321E+00	11079E+00
28006E+00	11001E+00	20592E+00

-	31937E+00	-	11787E+00	-	12651E+00
-	44620E+00	-	94109E+00	-	19020E+00
-	46593E+00	-	94502E+00	-	23979E+01
-	48550E+00	-	94895E+00	-	14224E+00
ELEMENTUL 112					
-	15894E+01	-	11697E+01	-	14305E+01
-	11080E+01	-	10914E+01	-	12404E+01
-	06679E+01	-	10132E+01	-	10503E+01
-	16845E+01	-	16451E+01	-	15871E+01
-	90174E+00	-	14885E+01	-	12060E+01
-	17795E+01	-	21204E+01	-	17438E+01
-	13882E+01	-	20421E+01	-	15535E+01
-	97660E+00	-	19639E+01	-	13634E+01
ELEMENTUL 113					
-	41070E+01	-	25859E+01	-	46625E+01
-	17746E+01	-	21194E+01	-	34302E+01
-	57888E+00	-	16529E+01	-	21978E+01
-	47237E+01	-	56668E+01	-	55955E+01
-	58307E+01	-	47378E+01	-	31308E+01
-	53009E+01	-	97477E+01	-	65285E+01
-	67449E+00	-	82813E+01	-	52941E+01
-		-	78148E+01	-	40633E+01
ELEMENTUL 114					
-	95102E+01	-	76909E+01	-	63253E+01
-	97679E+00	-	74803E+01	-	49893E+01
-	20905E+01	-	72617E+01	-	31533E+01
-	10432E+01	-	12289E+02	-	72629E+01
-	11931E+01	-	11852E+02	-	35905E+01
-	18383E+00	-	16879E+02	-	76996E+01
-	25443E+00	-	16660E+02	-	58636E+01
-		-	16442E+02	-	40276E+01
ELEMENTUL 115					
-	75905E+01	-	16342E+02	-	82355E+00
-	15500E+01	-	16182E+02	-	82425E+00
-	23500E+00	-	16023E+02	-	81997E+01
-	23478E+01	-	16352E+02	-	11475E+01
-	73070E+00	-	16033E+02	-	11390E+01
-	13432E+01	-	16363E+02	-	16194E+01
-	13457E+01	-	16204E+02	-	14625E+01
-		-	16044E+02	-	14579E+01
ELEMENTUL 116					
-	10276E+01	-	16719E+02	-	45119E+01
-	29232E+00	-	16455E+02	-	33796E+01
-	16123E+01	-	16191E+02	-	21473E+01
-	41143E+00	-	13638E+02	-	40839E+01
-	22083E+00	-	13110E+02	-	16194E+01
-	20477E+00	-	10557E+02	-	35560E+01
-	15246E+01	-	10293E+02	-	23237E+01
-	28445E+01	-	10029E+02	-	10914E+01
ELEMENTUL 117					
-	14996E+01	-	10898E+02	-	59222E+01
-	42942E+00	-	10684E+02	-	45831E+01
-	64070E+00	-	10470E+02	-	31740E+01
-	79509E+00	-	73755E+01	-	55641E+01
-	13453E+01	-	69474E+01	-	27459E+01
-	90538E+01	-	38527E+01	-	51360E+01
-	27968E+00	-	36387E+01	-	37269E+01
-	20499E+01	-	34246E+01	-	23178E+01
ELEMENTUL 118					
-	19603E+01	-	42267E+01	-	45693E+01
-	13814E+01	-	41109E+01	-	31678E+01
-	55831E+00	-	39951E+01	-	17693E+01
-	59915E+00	-	27810E+01	-	41061E+01
-	84217E+01	-	30125E+01	-	13031E+01
-	14217E+01	-	97886E+01	-	22414E+01
-	20007E+01	-	99044E+01	-	81989E+00
ELEMENTUL 119					
-	51240E+00	-	31194E+00	-	12636E+00
-	14361E+00	-	23818E+00	-	64398E+01
-	22518E+00	-	16442E+00	-	42443E+01
-	477045E+00	-	10216E+00	-	16868E+00
-	26713E+00	-	45359E+01	-	25259E+00
-	42849E+00	-	10762E+00	-	46371E+00
-	59700E+01	-	18138E+00	-	50567E+00
-	30909E+00	-	25514E+00	-	54762E+00
ELEMENTUL 120					
-	14648E+01	-	99648E+01	-	87784E+00
-	63105E+02	-	18206E+00	-	78529E+00
-	14522E+01	-	48377E+00	-	69273E+00
-	14186E+01	-	13174E+00	-	29443E+00
-	13723E+01	-	71516E+00	-	10832E+00
-	86248E+01	-	36313E+00	-	28998E+00
-	15448E+01	-	65483E+00	-	39154E+00
-		-	94655E+00	-	47410E+00

ELEMENTUL 121					
--17516E+00	--67262E+00	--20229E+01	--223339E+01	--24448E+01	--12835E+01
--38723E+01	--14120E+01	--223339E+01	--24448E+01	--12835E+01	--17054E+01
--69697E-01	--14532E+00	--12835E+01	--17054E+01	--54410E+00	--75501E+00
--37668E+01	--88475E+00	--54410E+01	--75501E+00	--96593E+00	
--35764E-01	--38196E+00				
--18128E+01	--12238E-01				
--36613E+01	--35747E+00				
ELEMENTUL 122					
--13239E+02	--22730E+01	--11300E+02	--62815E+01	--12628E+01	--142272E+02
--58281E+01	--79081E+00	--62815E+01	--12628E+01	--142272E+02	--172210E+02
--15829E+02	--69139E+00	--142272E+02	--172210E+02	--71915E+01	
--92265E+00	--14820E+02				
--18258E+02	--11856E+02				
--10847E+02	--27367E+02				
--34359E+01	--25885E+02				
	--24402E+02				
ELEMENTUL 123					
--94686E+01	--25609E+02	--14496E+01	--56457E+00	--32049E+00	--29643E+01
--51091E+00	--24737E+02	--56457E+00	--32049E+00	--29643E+01	--20379E+01
--74967E+00	--23865E+02	--29643E+01	--20379E+01	--39081E+01	
--90261E+00	--23396E+02				
--30715E+00	--21653E+02				
--85835E+01	--21184E+02				
--42241E+01	--20312E+02				
--13539E+00	--19440E+02				
ELEMENTUL 124					
--64294E+01	--20751E+02	--59279E+01	--40991E+01	--22703E+01	--49724E+01
--40317E+01	--20273E+02	--40991E+01	--22703E+01	--49724E+01	--13148E+01
--16429E+01	--19796E+02	--49724E+01	--13148E+01	--40169E+01	--21881E+01
--55060E+00	--16179E+02	--13148E+01	--40169E+01	--21881E+01	--35933E+00
--72835E+00	--15224E+02	--40169E+01	--21881E+01	--35933E+00	
--45916E+01	--11607E+02				
--22029E+01	--11129E+02				
--19585E+00	--10652E+02				
ELEMENTUL 125					
--42235E+01	--11533E+02	--59450E+01	--43703E+01	--27956E+01	--54042E+01
--28705E+01	--11263E+02	--43703E+01	--27956E+01	--54042E+01	--22548E+01
--15185E+01	--10993E+02	--27956E+01	--54042E+01	--48634E+01	--32897E+01
--34351E+01	--75965E+01	--54042E+01	--48634E+01	--32897E+01	--17140E+01
--73115E+00	--70557E+01	--48634E+01	--32897E+01	--17140E+01	
--25478E+01	--36598E+01				
--12958E+01	--33894E+01				
--56205E-01	--31190E+01				
ELEMENTUL 126					
--30140E+01	--37330E+01	--45468E+01	--28470E+01	--1473E+01	--40665E+00
--24138E+01	--36130E+01	--28470E+01	--1473E+01	--40665E+00	--35865E+01
--18136E+01	--34930E+01	--40665E+01	--35865E+01	--18696E+00	
--11343E+00	--47657E+01				
--38550E+00	--50058E+01				
--98569E+01	--13264E+02				
--15855E+01	--13384E+02				
	--13505E+02				
ELEMENTUL 127					
--92252E+01	--50255E+02	--50610E+00	--65694E+01	--13645E+02	--23682E+02
--90442E+02	--51418E+02	--65694E+01	--13645E+02	--23682E+02	--11783E+02
--14863E+02	--52582E+02	--13645E+02	--23682E+02	--11783E+02	--28453E+01
--39498E+02	--36103E+02	--23682E+02	--11783E+02	--28453E+01	--99209E+01
--12039E+02	--38493E+02				
--24353E+01	--21952E+02				
--33938E+01	--23116E+02				
--92028E+01	--24280E+02				
ELEMENTUL 128					
--78973E+01	--24011E+02	--41416E+01	--10933E+01	--19550E+01	--40345E+01
--70396E+01	--239247E+02	--10933E+01	--19550E+01	--40345E+01	--18729E+00
--66390E+01	--17914E+02	--40345E+01	--18729E+00	--28862E+01	--51598E+00
--54196E+01	--17751E+02	--18729E+00	--28862E+01	--51598E+00	--35797E+01
--50098E+01	--11818E+02	--28862E+01	--51598E+00	--35797E+01	--14335E+00
--46010E+01	--11736E+02	--51598E+00	--35797E+01	--14335E+00	
	--11654E+02				
ELEMENTUL 129					
--56528E+01	--11864E+02	--40345E+01	--18729E+00	--28862E+01	--51598E+00
--49424E+01	--11722E+02	--18729E+00	--28862E+01	--51598E+00	--35797E+01
--47802E+01	--75413E+01	--51598E+00	--35797E+01	--14335E+00	--74335E+00
--39238E+01	--72571E+01				
--32131E+01	--30762E+01				
--25026E+01	--29341E+01				
ELEMENTUL 130					
--35509E+01	--31437E+01	--36025E+01	--12713E+01		
--32099E+01	--30755E+01				

-	2 8688E+01	-	30 073E+01	-	10500E+01
-	1 6859E+01	-	61 813E+01	-	33843E+01
-	1 0038E+01	-	63 177E+01	-	12792E+01
-	1 7909E+00	-	15 506E+02	-	31660E+01
-	5 2011E+00	-	15 574E+02	-	83477E+00
-	8 6115E+00	-	15 643E+02	-	14965E+01
ELEMENTUL 131					
-	1 3554E+02	-	51 670E+02	-	12742E+02
-	8 3221E+01	-	50 623E+02	-	59652E+01
-	3 0897E+02	-	49 577E+02	-	81116E+00
-	1 0844E+00	-	38 117E+02	-	11067E+02
-	3 7915E+00	-	36 1024E+02	-	24855E+01
-	8 1334E+01	-	23 564E+02	-	93928E+01
-	2 9010E+01	-	23 518E+02	-	26165E+01
-	2 3314E+01	-	22 472E+02	-	41599E+01
ELEMENTUL 132					
-	7 1866E+01	-	24 375E+02	-	20995E+01
-	7 5739E+01	-	24 453E+02	-	10745E+01
-	7 9611E+01	-	24 530E+02	-	42486E+01
-	5 9170E+01	-	18 027E+02	-	22235E+01
-	6 6715E+01	-	18 182E+02	-	41246E+01
-	4 6474E+01	-	11 679E+02	-	23474E+01
-	5 0246E+01	-	11 756E+02	-	82665E+00
-	5 4219E+01	-	11 834E+02	-	40007E+01
ELEMENTUL 133					
-	4 4931E+01	-	11 646E+02	-	48253E+00
-	5 0696E+01	-	11 763E+02	-	15818E+01
-	5 6551E+01	-	11 881E+02	-	78462E+01
-	3 6174E+01	-	73 174E+01	-	67020E+00
-	4 7900E+01	-	75 519E+01	-	36585E+01
-	2 7516E+01	-	29 886E+01	-	85788E+00
-	3 3381E+01	-	31 059E+01	-	13065E+01
-	3 9246E+01	-	32 232E+01	-	34708E+01
ELEMENTUL 134					
-	2 9226E+01	-	30 368E+01	-	12507E+01
-	3 2722E+01	-	30 927E+01	-	10987E+01
-	3 5519E+01	-	31 487E+01	-	34480E+01
-	1 1133E+01	-	63 607E+01	-	14297E+01
-	1 6724E+00	-	62 489E+01	-	32591E+01
-	7 6649E+00	-	15 758E+02	-	15087E+01
-	4 8678E+00	-	15 702E+02	-	74070E+00
-	2 0712E+00	-	15 646E+02	-	30901E+01
ELEMENTUL 135					
-	5 1905E+01	-	62 842E+00	-	5321E+01
-	5 0459E+01	-	18 657E+01	-	25042E+01
-	4 7592E+01	-	68 162E+01	-	19081E+01
-	4 8936E+01	-	45 850E+00	-	24975E+01
-	4 6764E+01	-	24 702E+01	-	12459E+01
-	4 3452E+01	-	15 444E+01	-	23220E+01
-	3 0210E+01	-	16 106E+01	-	19745E+01
-	3 0210E+01	-	18 755E+01	-	53379E+00
ELEMENTUL 136					
-	5 0015E+00	-	23 795E+01	-	23417E+01
-	1 0471E+02	-	38 568E+01	-	80737E+01
-	2 0447E+02	-	16 086E+01	-	13806E+02
-	4 3216E+02	-	16 727E+02	-	76595E+01
-	1 7616E+02	-	19 386E+02	-	15302E+02
-	6 2220E+02	-	26 280E+02	-	10319E+02
-	1 1218E+02	-	27 277E+02	-	13184E+02
-	1 6202E+02	-	28 274E+02	-	16050E+02
ELEMENTUL 137					
-	3 5417E+01	-	25 742E+02	-	352E+01
-	6 0559E+01	-	26 245E+02	-	10575E+00
-	8 5700E+01	-	22 798E+02	-	12029E+01
-	7 9811E+01	-	23 803E+02	-	32408E+01
-	2 3640E+01	-	19 853E+02	-	86535E+00
-	4 8781E+01	-	20 356E+02	-	42468E+01
-	7 3392E+01	-	20 859E+02	-	39689E+01
-	7 3392E+01	-	19 956E+02	-	13910E+01
-	2 8782E+01	-	20 313E+02	-	17422E+01
-	4 4622E+01	-	20 670E+02	-	35722E+01
-	6 4453E+01	-	15 381E+02	-	54023E+01
-	1 9639E+01	-	16 094E+02	-	10289E+01
-	5 5306E+01	-	10 604E+02	-	46890E+00
-	1 0489E+01	-	11 163E+02	-	31557E+01
-	2 8322E+01	-	11 519E+02	-	21456E+01
-	4 6154E+01	-	11 519E+02	-	39775E+01
ELEMENTUL 138					
-	2 8782E+01	-	19 956E+02	-	17422E+01
-	4 4622E+01	-	20 313E+02	-	35722E+01
-	6 4453E+01	-	20 670E+02	-	54023E+01
-	1 9639E+01	-	15 381E+02	-	10289E+01
-	5 5306E+01	-	16 094E+02	-	46890E+00
-	1 0489E+01	-	10 604E+02	-	31557E+01
-	2 8322E+01	-	11 163E+02	-	21456E+01
-	4 6154E+01	-	11 519E+02	-	39775E+01
ELEMENTUL 139					
-	2 1520E+01	-	11 027E+02	-	27421E+01
-	3 3016E+01	-	11 257E+02	-	42913E+01
-	4 4512E+01	-	11 486E+02	-	58405E+01
-	1 3774E+01	-	71 536E+01	-	22827E+01
-	3 6766E+01	-	76 134E+01	-	51807E+01
-	6 0275E+00	-	32 805E+01	-	19224E+01



--	175220E+01	--	35104E+01	--	33716E+01
--	29020E+01	--	37403E+01	--	49208E+01
ELEMENTUL 140					
--	20056E+01	--	35612E+01	--	10574E+01
--	25748E+01	--	36749E+01	--	27927E+01
--	31439E+01	--	37805E+01	--	45280E+01
--	27136E+00	--	51152E+01	--	60280E+00
--	140370E+01	--	48879E+01	--	40735E+01
--	146370E+00	--	13792E+02	--	14839E+00
--	89577E+00	--	13678E+02	--	18837E+01
--	22764E+00	--	13564E+02	--	35189E+01
ELEMENTUL 141					
--	92257E+00	--	63943E+00	--	42650E+00
--	86502E+00	--	10400E+00	--	44675E+00
--	12046E+01	--	41719E+01	--	61082E+00
--	89522E+00	--	10020E+01	--	49652E+00
--	17666E+01	--	12629E+01	--	11704E+01
--	96799E+00	--	15657E+01	--	56554E+00
--	11235E+01	--	13970E+01	--	69588E+00
--	23685E+01	--	16460E+01	--	17308E+01
ELEMENTUL 142					
--	14000E+01	--	14703E+01	--	19077E+01
--	22098E+01	--	16203E+01	--	22275E+01
--	16179E+01	--	17700E+01	--	25475E+01
--	28179E+01	--	21101E+01	--	21476E+01
--	17031E+01	--	23502E+01	--	26594E+01
--	22029E+01	--	25364E+01	--	23076E+01
--	27927E+01	--	26365E+01	--	25208E+01
--	27927E+01	--	27363E+01	--	27340E+01
ELEMENTUL 143					
--	20992E+01	--	22001E+01	--	23992E+01
--	28356E+01	--	27629E+01	--	40722E+01
--	56509E+01	--	33259E+01	--	57550E+01
--	59133E+00	--	50050E+01	--	31398E+01
--	62114E+01	--	61309E+01	--	65056E+01
--	11424E+01	--	78098E+01	--	38904E+01
--	39575E+01	--	83727E+01	--	55734E+01
--	67724E+01	--	89357E+01	--	72562E+01
ELEMENTUL 144					
--	12450E+01	--	73313E+01	--	23414E+01
--	67796E+00	--	77159E+01	--	49087E+01
--	25963E+01	--	51004E+01	--	72759E+01
--	42632E+00	--	11444E+02	--	28541E+01
--	24107E+01	--	12213E+02	--	77886E+01
--	29516E+00	--	12555E+02	--	33600E+01
--	23195E+01	--	15940E+02	--	53341E+01
--	42411E+01	--	16325E+02	--	83013E+01
ELEMENTUL 145					
--	13423E+00	--	15208E+02	--	52672E+00
--	10422E+00	--	15497E+02	--	37242E+00
--	15506E+01	--	15786E+02	--	21808E+00
--	13948E+01	--	14951E+02	--	91245E+00
--	14456E+01	--	15529E+02	--	60381E+00
--	13590E+02	--	14693E+02	--	11428E+01
--	14477E+01	--	14983E+02	--	98950E+00
ELEMENTUL 146					
--	92799E+00	--	14796E+02	--	18330E+01
--	51454E+00	--	15085E+02	--	34160E+01
--	14612E+01	--	15375E+02	--	49902E+01
--	14350E+01	--	12737E+02	--	14460E+01
--	19890E+01	--	12737E+02	--	45130E+01
--	54087E+00	--	95187E+01	--	10607E+01
--	90731E+00	--	98083E+01	--	25427E+01
--	90731E+00	--	10098E+02	--	42269E+01
ELEMENTUL 147					
--	39941E+00	--	98367E+02	--	3777E+01
--	80547E+00	--	10078E+02	--	47533E+01
--	10286E+01	--	10319E+02	--	66564E+01
--	13811E+01	--	66903E+01	--	53120E+01
--	15500E+01	--	71723E+01	--	22351E+01
--	45309E+00	--	35429E+01	--	41229E+01
--	7518E+00	--	37849E+01	--	60107E+01
ELEMENTUL 148					
--	62456E+00	--	40004E+01	--	14230E+01
--	13902E+01	--	41535E+01	--	33344E+01
--	21557E+00	--	43066E+01	--	52457E+01
--	64968E+00	--	23708E+01	--	10147E+01
--	19230E+01	--	20646E+01	--	43374E+00
--	15891E+01	--	87421E+01	--	60638E+01
--	39276E+00	--	85889E+01	--	25178E+01
--	39276E+00	--	84358E+01	--	44291E+01
ELEMENTUL 149					

ELEMENTUL 150

4 380CL+00  
 -1 826EE+00  
 -8 033AF+00  
 -1 7764L+00  
 -1 0639E+01  
 -8 2901E-01  
 -7 0172E+00  
 -1 3244E+01

-29 430E+00  
 -41 875E+00  
 -54 248E+00  
 -15 971E+01  
 -18 455E+01  
 -28 997E+01  
 -30 239E+01  
 -31 482E+01  
 -27 420L+01  
 -29 976E+01  
 -32 524E+01  
 -39 004E+01  
 -44 108L+01  
 -50 586L+01  
 -53 140E+01  
 -55 691E+01

ELEMENTUL 150  
 7 6654E+00  
 -5 6992E+00  
 -1 9462L+01  
 4 7487E+00  
 -2 0779L+01  
 -2 4331E+00  
 -1 0333E+01  
 -2 2096E+01  
 ELEMENTUL 151  
 1 2905E+01  
 3 3170E+00  
 -6 2691E+00  
 -9 7661E+00  
 -9 4083E+00  
 -6 6272E+00  
 -2 9616E+00  
 -1 2547E+01

ELEMENTUL 152  
 1 8079E+01  
 1 4721E+01  
 1 1364E+01  
 1 5719E+01  
 9 0054E+00  
 1 3362E+01  
 1 0005L+01  
 6 6478E+00  
 ELEMENTUL 153  
 1 9453E+01  
 2 1742E+01  
 2 4034E+01  
 1 9243E+01  
 2 3822E+01  
 1 9033E+01  
 2 1322E+01  
 2 3613E+01

ELEMENTUL 154  
 1 7146E+01  
 1 7820E+01  
 1 8496E+01  
 1 9606L+01  
 2 0955E+01  
 2 2067E+01  
 2 2741E+01  
 2 3417E+01  
 ELEMENTUL 155  
 1 492E+01  
 9 5067E+00  
 7 5211E+00  
 1 5367E+01  
 1 1397E+01  
 1 9244E+01  
 1 7260E+01  
 1 5274E+01

ELEMENTUL 156  
 1 0324E+00  
 3 2591E+00  
 -7 5506E+00  
 -8 5284E+00  
 -5 4730E-02  
 1 6024E+01  
 1 1733L+01  
 7 4411L+00  
 ELEMENTUL 157  
 7 6294E+00  
 3 7779E+00  
 -7 4310E-02  
 -5 7977E+00  
 -1 9102E+00  
 -3 9433E+00  
 9 1095L+00  
 -3 7602L+00

ELEMENTUL 157  
 1 3071E+01  
 8 6035L+00  
 4 1342L+01  
 1 1669L+01  
 ELEMENTUL 158  
 1 3071E+01  
 8 6035L+00  
 4 1342L+01  
 1 1669L+01

ELEMENTUL 158  
 1 3071E+01  
 8 6035L+00  
 4 1342L+01  
 1 1669L+01

ELEMENTUL 158  
 1 3071E+01  
 8 6035L+00  
 4 1342L+01  
 1 1669L+01

ELEMENTUL 158  
 1 3071E+01  
 8 6035L+00  
 4 1342L+01  
 1 1669L+01



• 27295E+00	--	• 49095E+01	--	• 25777E+01
• 10264E+01	--	• 54329E+01	--	• 18541E+01
• 57957E+00	--	• 55222E+01	--	• 22755E+01
• 13249E+00	--	• 56116E+01	--	• 26969E+01
ELEMENTUL 159				
• 17314E+01	--	• 52919E+01	--	• 14853E+01
• 14553E+01	--	• 53471E+01	--	• 18853E+01
• 11799E+01	--	• 54021E+01	--	• 22852E+01
• 15980E+01	--	• 59586E+01	--	• 15589E+01
• 10466E+01	--	• 60690E+01	--	• 21587E+01
• 14664E+01	--	• 66251E+01	--	• 16324E+01
• 11888E+01	--	• 66803E+01	--	• 20324E+01
• 91324E+00	--	• 67354E+01	--	• 24322E+01
ELEMENTUL 160				
• 19954E+01	--	• 65190E+01	--	• 84338E+00
• 20269E+01	--	• 65126E+01	--	• 10976E+01
• 20582E+01	--	• 65065E+01	--	• 13517E+01
• 19209E+01	--	• 69426E+01	--	• 83502E+00
• 19726E+01	--	• 69300E+01	--	• 13433E+01
• 18262E+01	--	• 73660E+01	--	• 92666E+00
• 18574E+01	--	• 73577E+01	--	• 10809E+01
• 18988E+01	--	• 73535E+01	--	• 13349E+01
ELEMENTUL 161				
• 20327E+01	--	• 73249E+01	--	• 17228E+00
• 22651E+01	--	• 72781E+01	--	• 19479E+01
• 24981E+01	--	• 72316E+01	--	• 21645E+00
• 20398E+01	--	• 72888E+01	--	• 23535E+00
• 25051E+01	--	• 71957E+01	--	• 27852E+00
• 20470E+01	--	• 72528E+01	--	• 29742E+00
• 22797E+01	--	• 72062E+01	--	• 31894E+00
• 25124E+01	--	• 71597E+01	--	• 34059E+00
ELEMENTUL 162				
• 17898E+01	--	• 73043E+01	--	• 11968E+01
• 20566E+01	--	• 72508E+01	--	• 15330E+01
• 23237E+01	--	• 71975E+01	--	• 18692E+01
• 19018E+01	--	• 67440E+01	--	• 12680E+01
• 24357E+01	--	• 66373E+01	--	• 19404E+01
• 20137E+01	--	• 61837E+01	--	• 13928E+01
• 22806E+01	--	• 61302E+01	--	• 16753E+01
• 25478E+01	--	• 60769E+01	--	• 20115E+01
ELEMENTUL 163				
• 13229E+01	--	• 63205E+01	--	• 18161E+01
• 14102E+01	--	• 63044E+01	--	• 23975E+01
• 14901E+01	--	• 62884E+01	--	• 29789E+01
• 15236E+01	--	• 55515E+01	--	• 18375E+01
• 16839E+01	--	• 53194E+01	--	• 30005E+01
• 17172E+01	--	• 43822E+01	--	• 18589E+01
• 17976E+01	--	• 43664E+01	--	• 24403E+01
• 18777E+01	--	• 43504E+01	--	• 30217E+01
ELEMENTUL 164				
• 49438E+00	--	• 46271E+01	--	• 13535E+01
• 27547E+00	--	• 46708E+01	--	• 18203E+01
• 65759E+00	--	• 47146E+01	--	• 22870E+01
• 80569E+00	--	• 30713E+01	--	• 12968E+01
• 36772E+00	--	• 31589E+01	--	• 21702E+01
• 11677E+00	--	• 15156E+01	--	• 11200E+01
• 81975E+00	--	• 15594E+01	--	• 15868E+01
• 67789E+00	--	• 16032E+01	--	• 20575E+01
ELEMENTUL 165				
• 67554E+00	--	• 42850E+01	--	• 36797E+00
• 52126E+00	--	• 43157E+01	--	• 47705E+00
• 36736E+00	--	• 43464E+01	--	• 58621E+00
• 62082E+00	--	• 45580E+01	--	• 42960E+00
• 31262E+00	--	• 46194E+01	--	• 64784E+00
• 56630E+00	--	• 48306E+01	--	• 49126E+00
• 41212E+00	--	• 48613E+01	--	• 60034E+00
• 25810E+00	--	• 48923E+01	--	• 70950E+00
ELEMENTUL 166				
• 18391E+01	--	• 45762E+01	--	• 67671E+00
• 15051E+01	--	• 46429E+01	--	• 91472E+00
• 17111E+01	--	• 47097E+01	--	• 11525E+00
• 17795E+01	--	• 48736E+01	--	• 74341E+00
• 11195E+01	--	• 50072E+01	--	• 12194E+01
• 13859E+01	--	• 51709E+01	--	• 81018E+01
• 10520E+01	--	• 52377E+01	--	• 10483E+01
• 10520E+01	--	• 53046E+01	--	• 12881E+01
ELEMENTUL 167				
• 28828E+01	--	• 49383E+01	--	• 54037E+00
• 23201E+01	--	• 50508E+01	--	• 72896E+00
• 28356E+01	--	• 51635E+01	--	• 91731E+00
• 17099E+01	--	• 51741E+01	--	• 65295E+00
• 27886E+01	--	• 53902E+01	--	• 10300E+01
• 22259E+01	--	• 55099E+01	--	• 76553E+00
• 16628E+01	--	• 56349E+01	--	• 95412E+00
• 16628E+01	--	• 56349E+01	--	• 11442E+01

```

ELEMENTUL 168
.35498E+01
.28718E+01
.21936E+01
.35256E+01
.21691E+01
.35011E+01
.28231E+01
.21449E+01
.52576E+01
.53930E+01
.55287E+01
.53793E+01
.56505E+01
.55010E+01
.56365E+01
.57722E+01
.15875E+00
.25621E+00
.35355E+00
.29436E+00
.48915E+00
.42990E+00
.52744E+00
.62477E+00
ELEMENTUL 169
.25542E+01
.29524E+01
.23514E+01
.35620E+01
.23598E+01
.35712E+01
.29695E+01
.23685E+01
.54905E+01
.56106E+01
.57309E+01
.54478E+01
.56483E+01
.54051E+01
.55252E+01
.56456E+01
.30692E+00
.34099E+00
.37518E+00
.18665E+00
.25491E+00
.66360E+01
.10043E+00
.13463E+00
ELEMENTUL 170
.28801E+01
.24956E+01
.21111E+01
.29242E+01
.21551E+01
.24681E+01
.25836E+01
.21986E+01
.55433E+01
.56201E+01
.56971E+01
.53238E+01
.54776E+01
.51044E+01
.51812E+01
.52582E+01
.68295E+00
.85847E+00
.10340E+01
.60603E+00
.92912E+00
.52911E+00
.70464E+00
.88020E+00
ELEMENTUL 171
.17791E+01
.16470E+01
.15150E+01
.18498E+01
.15856E+01
.19206E+01
.17806E+01
.16565E+01
.53422E+01
.53685E+01
.53950E+01
.49880E+01
.50408E+01
.46338E+01
.46601E+01
.46866E+01
.79039E+00
.19737E+01
.13571E+01
.75399E+00
.13307E+01
.73756E+00
.10209E+01
.13043E+01
ELEMENTUL 172
.59009E+00
.51173E+00
.43358E+00
.66323E+00
.50680E+00
.73661E+00
.65812E+00
.58002E+00
.48998E+01
.49155E+01
.49311E+01
.45338E+01
.45651E+01
.41679E+01
.41835E+01
.41991E+01
.50615E+00
.65255E+00
.79893E+00
.47490E+00
.76768E+00
.44359E+00
.59000E+00
.73637E+00

```

\*STOP\*

CD11104A

```

CENTRUL DE CALCUL AL I.P.T.
0007 CO111ZOP AN = P800
H.DEB = 09H 59M 58S H.FIN =
LGP = 00106 MEM = 00048
CR = 01
TIMISOARA FELIX C-512 STEM - 0000
PH = 0003 DATE = 08/08/90-220
= 10H 02M 46S TIME = 00010279
LC = 00002431 IN = 00000402 QDE = 000

```

EST SAVE





I N F O R M A T I I D E C O N T R O L

NUMARUL DE NODURI..... 161  
 NUMARUL DE ECUATII..... 322  
 NUMARUL DE ELEMENTE..... 264  
 LAIIMEA SEMIENZII..... 17  
 NUMARUL DE ECUATII INTR-UN BLOC..... 322  
 NUMARUL DE BLOCURI..... 1  
 OPTIUNE DE EXECUTIF..... 0

•EQ. 0 = EXECUTIE  
 •EQ. 1 = VERIFICARE DATE

\* \* \* \* \*

NUMER ELEMENT	I	J	K	NUMER MAT
1	8	2	1	3
2	8	9	2	3
3	9	10	3	3
4	10	11	4	3
5	11	12	4	3
6	12	13	5	3
7	13	14	6	3
8	14	15	7	3
9	15	16	8	3
10	16	17	9	3
11	17	18	10	4
12	18	19	11	1
13	19	20	11	1
14	20	21	11	1
15	21	22	11	1
16	22	23	11	1
17	23	24	11	1
18	24	25	11	1
19	25	26	11	1
20	26	27	11	1
21	27	28	11	1
22	28	29	11	1
23	29	30	11	1
24	30	31	11	1
25	31	32	11	1
26	32	33	11	1
27	33	34	11	1
28	34	35	11	1
29	35	36	11	1
30	36	37	11	1
31	37	38	11	1
32	38	39	11	1
33	39	40	11	1
34	40	41	11	1
35	41	42	11	1
36	42	43	11	1
37	43	44	11	1
38	44	45	11	1
39	45	46	11	1
40	46	47	11	1
41	47	48	11	1
42	48	49	11	1
43	49	50	11	1
44	50	51	11	1
45	51	52	11	1
46	52	53	11	1
47	53	54	11	1
48	54	55	11	1
49	55	56	11	1
50	56	57	11	1
51	57	58	11	1
52	58	59	11	1
53	59	60	11	1
54	60	61	11	1
55	61	62	11	1
56	62	63	11	1
57	63	64	11	1
58	64	65	11	1
59	65	66	11	1
60	66	67	11	1
61	67	68	11	1
62	68	69	11	1
63	69	70	11	1
64	70	71	11	1
65	71	72	11	1
66	72	73	11	1
67	73	74	11	1
68	74	75	11	1
69	75	76	11	1
70	76	77	11	1
71	77	78	11	1
72	78	79	11	1
73	79	80	11	1
74	80	81	11	1
75	81	82	11	1
76	82	83	11	1
77	83	84	11	1
78	84	85	11	1
79	85	86	11	1
80	86	87	11	1
81	87	88	11	1
82	88	89	11	1
83	89	90	11	1
84	90	91	11	1
85	91	92	11	1







## COORDONATELE RETELEI

X

0. 4. 8. 10. 12. 16. 20.

Y

55. 51. 45. 42. 40. 37. 35. 33.  
32. 31. 29. 28. 26. 25. 23. 22.  
20. 18. 15. 13. 10. 4. 0.

NR. NOD	COD. DE DIR-X	COD. DE BLOCARE DIR-Y	X	COORDINATE Y
1	00	00	00.00	55.00
2	00	00	4.00	55.00
3	00	00	8.00	55.00
4	00	00	12.00	55.00
5	00	00	16.00	55.00
6	00	00	20.00	55.00
7	00	00	24.00	55.00
8	00	00	28.00	55.00
9	00	00	32.00	55.00
10	00	00	36.00	55.00
11	00	00	40.00	51.00
12	00	00	44.00	51.00
13	00	00	48.00	51.00
14	00	00	52.00	51.00
15	00	00	56.00	45.00
16	00	00	60.00	45.00
17	00	00	64.00	45.00
18	00	00	68.00	45.00
19	00	00	72.00	45.00
20	00	00	76.00	45.00
21	00	00	80.00	42.00
22	00	00	84.00	42.00
23	00	00	88.00	42.00
24	00	00	92.00	42.00
25	00	00	96.00	42.00
26	00	00	100.00	42.00
27	00	00	104.00	42.00
28	00	00	108.00	40.00
29	00	00	112.00	40.00
30	00	00	116.00	40.00
31	00	00	120.00	40.00
32	00	00	124.00	40.00
33	00	00	128.00	40.00
34	00	00	132.00	40.00
35	00	00	136.00	40.00
36	00	00	140.00	37.50
37	00	00	144.00	37.50
38	00	00	148.00	37.50
39	00	00	152.00	37.50
40	00	00	156.00	37.50
41	00	00	160.00	35.00
42	00	00	164.00	35.00
43	00	00	168.00	35.00
44	00	00	172.00	35.00
45	00	00	176.00	35.00
46	00	00	180.00	35.00
47	00	00	184.00	35.00
48	00	00	188.00	35.00
49	00	00	192.00	32.50
50	00	00	196.00	32.50
51	00	00	200.00	32.50
52	00	00	204.00	32.50
53	00	00	208.00	32.50
54	00	00	212.00	32.50
55	00	00	216.00	32.50
56	00	00	220.00	32.50
57	00	00	224.00	32.50
58	00	00	228.00	32.50
59	00	00	232.00	32.50
60	00	00	236.00	32.50
61	00	00	240.00	32.50
62	00	00	244.00	32.50
63	00	00	248.00	30.50
64	00	00	252.00	30.50
65	00	00	256.00	30.50
66	00	00	260.00	30.50
67	00	00	264.00	30.50
68	00	00	268.00	30.50
69	00	00	272.00	30.50
70	00	00	276.00	29.00
71	00	00	280.00	29.00
72	00	00	284.00	29.00
73	00	00	288.00	29.00
74	00	00	292.00	29.00
75	00	00	296.00	29.00
76	00	00	300.00	29.00
77	00	00	304.00	29.00
78	00	00	308.00	29.00
79	00	00	312.00	29.00
80	00	00	316.00	29.00
81	00	00	320.00	29.00
82	00	00	324.00	29.00
83	00	00	328.00	29.00
84	00	00	332.00	29.00
85	00	00	336.00	29.00
86	00	00	340.00	29.00
87	00	00	344.00	29.00
88	00	00	348.00	29.00
89	00	00	352.00	29.00
90	00	00	356.00	29.00
91	00	00	360.00	29.00



NR. MAT	GRUSIMEA	E-ARMAT	C-BETON	NIU	CO.ARM-1	DIR-1(GR)	CO.ARM-2	DIR-2(GR)	CO.ARM-3	DIR-3(GR)	CO.ARM-4	DIR-4(GR)
1	0.100E+02	0.210E+07	0.240E+06	0.300E+00	0.000E+00	0.000E+00	0.000E+00	0.900E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	0.100E+01	0.100E+01	0.100E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.900E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	0.100E+02	0.210E+07	0.240E+06	0.300E+00	0.000E+00	0.000E+00	0.000E+00	0.900E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	0.100E+02	0.210E+07	0.240E+06	0.300E+00	0.000E+00	0.000E+00	0.000E+00	0.900E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	0.100E+02	0.210E+07	0.240E+06	0.300E+00	0.523E-01	0.000E+00	0.377E-01	0.900E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INCARCARI NCDALE

INCARCARI CONSTATE

NR.NOD	DIR-X	DIR-Y
78	0.1000000E+01	0.0000000E+00
84	-0.1000000E+01	0.0000000E+00

INCARCARI VARIABILE

NR.NOD	DIR-X	DIR-Y
3	0.0000000E+00	-0.4000000E+02
4	0.0000000E+00	-0.1200000E+03
5	0.0000000E+00	-0.4000000E+02
157	0.0000000E+00	0.4000000E+02
158	0.0000000E+00	0.1200000E+03
159	0.0000000E+00	0.4000000E+02

REZISTENTA BETONULUI LA INTINDERE.....	49.20
REZISTENTA BETONULUI LA COMPRESIUNE.....	336.00
DEFORMATIA SPECIFICA LA MITA LA COMPRESIUNE.....	-0.00330
REZISTENTA DE CURGERE A ARMA TURI.....	3600.00
ERDAREA FORTELOR DE TRANSFER SAU A DEPLASARI.....	0.100E+01
DEPLASAREA MAXIMA ADMISA.....	0.100E+02
NR. INCREMENTE DISTINCTE DE FORTA.....	3
NR. DEPLASARI INREGISTRATE.....	8
INDICATOR DE TIPARI A EFORTURILOR.....	1

INCREMENTE DE FORTA	
MARIMEA INCREMENTULUI PASUL PINA LA CARE SE APLICA	
-0.20000000E+04	2
-0.50000000E+03	3
-0.10000000E+03	13

REDUCING BLOCK NO. : 1  
 BACKSUBSTITUTING BLOCK NO. : 1

ELEMENTUL CRITIC	192	CRITERIUL	1
------------------	-----	-----------	---



32 -0.2690818E-02  
33 -0.3043146E-02  
34 -0.2181082E-02  
35 -0.1933846E-02  
36 -0.3220320F-02  
37 -0.3380915F-02  
38 -0.3389067E-02  
39 -0.3097885E-02  
40 -0.3360026E-02  
41 -0.3000372E-02  
42 -0.2893926E-02  
43 -0.3291548E-02  
44 -0.3403859E-02  
45 -0.3359366E-02  
46 -0.3213147E-02  
47 -0.3269297E-02  
48 -0.3160521F-02  
49 -0.3062008E-02  
50 -0.2771043E-02  
51 -0.2723219E-02  
52 -0.2352984E-02  
53 -0.2039123E-02  
54 -0.1930357E-02  
55 -0.1811867E-02  
56 -0.1765674E-02  
57 -0.2584171E-02  
58 -0.2543556E-02  
59 -0.2165579E-02  
60 -0.1862535E-02  
61 -0.1689139E-02  
62 -0.1545067E-02  
63 -0.1497792E-02  
64 -0.2032295E-02  
65 -0.1960650F-02  
66 -0.1550506E-02  
67 -0.1239607E-02  
68 -0.1012624E-02  
69 -0.7848607E-03  
70 -0.7272552F-03  
71 -0.1406411F-02  
72 -0.1320587F-02  
73 -0.9211072E-03  
74 -0.6704489E-03  
75 -0.3598692E-03  
76 -0.5855254E-04  
77 0.1424285E-04  
78 -0.7277025E-03  
79 -0.6431634E-03

-0.6989860E-02  
-0.1005241E-01  
-0.9275426E-02  
-0.8545572E-02  
-0.3266272E-02  
-0.3894545E-02  
-0.4511134E-02  
-0.4699415E-02  
-0.4830052E-02  
-0.3386230E-02  
-0.2376317E-02  
-0.3728927E-02  
-0.3672710E-02  
-0.3392003E-02  
-0.2504113E-02  
-0.1134791E-03  
0.2526513E-02  
0.4537512E-02  
-0.4112730E-02  
-0.3439981E-02  
-0.2496398E-02  
-0.1491799E-02  
0.1329341E-03  
0.2582514E-02  
0.4528734E-02  
-0.4172660E-02  
-0.3386048E-02  
-0.2331038E-02  
-0.1317511E-02  
0.2037411E-03  
0.2599951E-02  
0.4523528E-02  
-0.4318927E-02  
-0.322795E-02  
-0.1874220E-02  
-0.8436159E-03  
0.4573028E-03  
0.2674728E-02  
0.4502112E-02  
-0.4423096E-02  
-0.3075863E-02  
-0.1464248E-02  
-0.4123726E-03  
0.7551507E-03  
0.2775087E-02  
0.4469259E-02  
-0.4494912E-02  
-0.2936512E-02



80	-0.2830520E-03	-0.1094633E-02
81	0.5814423E-15	-0.9895890E-14
82	0.2826074E-03	0.1089210E-02
83	0.6392656E-03	0.2896861E-02
84	0.7215933E-03	0.4420201E-02
85	-0.9521557E-05	-0.4543944E-02
86	0.6320538E-04	-0.2814715E-02
87	0.3631046E-03	-0.7604616E-03
88	0.6213417E-03	0.4127373E-03
89	0.9182736E-03	0.1458921E-02
90	0.1307267E-02	0.3035240E-02
91	0.1388049E-02	0.4347506E-02
92	0.7425808E-03	-0.4577631E-02
93	0.7987369E-03	-0.2714955E-02
94	0.1021998E-02	-0.4619480E-03
95	0.1243729E-02	0.8450738E-03
96	0.1545759E-02	0.1868582E-02
97	0.1935027E-02	0.3184784E-02
98	0.1999102E-02	0.4242070E-02
99	0.1524273E-02	-0.4600738E-02
100	0.1570074E-02	-0.2641135E-02
101	0.1709283E-02	-0.2067178E-03
102	0.1874809E-02	0.1320770E-02
103	0.2157732E-02	0.2323142E-02
104	0.2499953E-02	0.3338553E-02
105	0.2533340E-02	0.4095314E-02
106	0.2324840E-02	-0.4614356E-02
107	0.2375871E-02	-0.2595978E-02
108	0.2443759E-02	-0.1293483E-04
109	0.2511738E-02	0.1871415E-02
110	0.2753734E-02	0.2828225E-02
111	0.2989373E-02	0.3489054E-02
112	0.2962583E-02	0.3697303E-02
113	0.3119538E-02	-0.4618787E-02
114	0.3229356E-02	-0.2576313E-02
115	0.3340477E-02	0.9421356E-04
116	0.3167230E-02	0.2535875E-02
117	0.3293202E-02	0.3379568E-02
118	0.3337528E-02	0.3623611E-02
119	0.3246045E-02	0.3646128E-02
120	0.2895052E-02	0.2392028E-02
121	0.2791460E-02	0.3385533E-02
122	0.3317356E-02	0.4832051E-02
123	0.3007837E-02	0.4714647E-02
124	0.3299535E-02	0.4501864E-02
125	0.3294541E-02	0.3848803E-02
126	0.3137855E-02	0.3181427E-02
127	0.1864948E-02	0.8618115E-02

128	0.2098874E-02	0.9316336E-02
129	0.2929964E-02	0.1008433E-01
130	0.2577415E-02	0.7002762E-02
131	0.2537370E-02	0.5562427E-02
132	0.2529685E-02	0.4063707E-02
133	0.2395059E-02	0.2726441E-02
134	0.6295555E-03	0.1287062E-01
135	0.1020599E-02	0.1413316E-01
136	0.9411009E-03	0.1016861E-01
137	0.1046934E-02	0.7858817E-02
138	0.1240547E-02	0.6279541E-02
139	0.1465986E-02	0.4257857E-02
140	0.1443994E-02	0.2416103E-02
141	-0.1533501E-02	0.1744205E-01
142	-0.1543598E-02	0.1417592E-01
143	-0.1441650E-02	0.1064627E-01
144	-0.1219243E-02	0.8834239E-02
145	-0.9443334E-03	0.7208710E-02
146	-0.5736001E-03	0.4578108E-02
147	-0.5235998E-03	0.2102049E-02
148	-0.6219949E-02	0.1748904E-01
149	-0.6176286E-02	0.1453176E-01
150	-0.5975654E-02	0.1181533E-01
151	-0.5770800E-02	0.1040654E-01
152	-0.5501643E-02	0.8669137E-02
153	-0.5299518E-02	0.5098272E-02
154	-0.5321736E-02	0.1902149E-02
155	-0.9064117E-02	0.1750722E-01
156	-0.8993906E-02	0.1470411E-01
157	-0.8803857E-02	0.1264312E-01
158	-0.8731335E-02	0.1193967E-01
159	-0.8812801E-02	0.9473678E-02
160	-0.8841857E-02	0.5234542E-02
161	-0.8816379E-02	0.1865746E-02

RFACTIUNI LA NODURI BLOCATE      DIRECTIA-Y  
NODUL      DIRECTIA-X

91 -0.3417969E-02      0.8337402E-01

E F O R T U R I L E I N B E T O N S I A R M A T U R A

ELEMENT NR.	BETON			ARMATURA			DEFORMATI			ALFAD	
	S1	S2	ALFAE NCR	1	2	3	4	EXX	EY		EXY
1	-0.3	5.6	-42.52	13.4	0.0	0.0	0.0	0.000064	0.000091	0.0000315	-42.52
2	9.2	-15.2	35.89	-11.7	0.0	0.0	0.0	-0.000056	-0.000341	0.0000866	35.89
3	-1.8	-23.4	-40.62	-15.2	0.0	0.0	0.0	-0.000072	-0.000341	0.0001742	-40.62
4	-1.2	-49.8	-7.23	106.1	0.0	0.0	0.0	-0.0000505	-0.0002011	-0.0000649	-7.23
5	-1.7	-81.7	-34.20	-85.5	0.0	0.0	0.0	-0.0000407	-0.0002011	-0.0004052	-34.20
6	6.6	-91.9	-6.97	282.6	0.0	0.0	0.0	0.0001346	-0.0003833	-0.0001286	-6.97
7	-6.7	-112.3	21.40	76.2	0.0	0.0	0.0	0.0000363	-0.0003833	0.0003884	21.40
8	10.7	-46.4	0.23	215.1	0.0	0.0	0.0	0.0001024	-0.0002068	0.0000024	0.23
9	10.1	-56.7	18.51	99.8	0.0	0.0	0.0	0.0000475	-0.0002068	0.0001918	18.51
10	-7.7	-7.7	-7.62	105.3	0.0	0.0	0.0	0.0000502	-0.0000431	0.0000254	-7.62
11	1.2	-10.0	1.71	36.9	0.0	0.0	0.0	0.0000176	-0.0000431	0.0000036	1.71
12	4.1	-1.9	-30.67	22.9	0.0	0.0	0.0	0.0000109	-0.000045	-0.0000283	-30.67
13	1.2	8.4	-0.50	0.0	2.5	0.0	0.0	-0.0000056	0.0000333	0.0000007	-0.50
14	5.3	-30.8	29.78	0.0	-6.5	0.0	0.0	0.0000125	-0.0000867	0.0001687	29.78
15	9.8	-22.2	-18.72	0.0	0.0	0.0	0.0	0.0000505	-0.0000867	-0.0001051	-18.72
16	6.6	-58.3	8.43	0.0	0.0	0.0	0.0	0.0000926	-0.0002434	0.0001019	8.43
17	17.8	-55.0	-8.06	0.0	0.0	0.0	0.0	0.0001346	-0.0002434	-0.0001092	-8.06
18	15.8	-58.6	-3.86	0.0	0.0	0.0	0.0	0.0001374	-0.0002621	-0.0000542	-3.86
19	6.6	-61.4	4.21	0.0	0.0	0.0	0.0	0.0001024	-0.0002621	0.0000540	4.21
20	17.1	-45.8	-13.08	0.0	0.0	0.0	0.0	0.0001112	-0.0001949	-0.0001504	-13.08
21	-1.1	-48.5	8.68	0.0	0.0	0.0	0.0	0.0000502	-0.0001949	0.0000767	8.68
22	7.0	-18.6	-26.23	0.0	0.0	0.0	0.0	0.000255	-0.000593	-0.0001103	-26.23
23	-1.1	-15.4	-12.52	0.0	0.0	0.0	0.0	0.0000109	-0.000593	0.0000328	-12.52
24	1.5	-29.1	-40.75	0.0	9.9	0.0	0.0	-0.000025	0.000078	-0.0000355	-40.75
25	10.9	29.3	-10.86	0.0	7.9	0.0	0.0	0.0000125	0.0001047	0.0000368	-10.86
26	3.0	-41.6	32.62	0.0	-8.0	0.0	0.0	-0.000056	-0.0001068	0.0002195	32.62
27	16.1	-20.9	3.15	0.0	0.0	0.0	0.0	0.0000926	-0.0001068	0.0000220	3.15
28	-3.9	-83.0	15.67	0.0	0.0	0.0	0.0	0.0000562	-0.0003096	0.0002228	15.67
29	12.5	-71.5	-5.35	0.0	0.0	0.0	0.0	0.0001374	-0.0003096	-0.0000844	-5.35
30	-0.1	-78.2	-2.30	0.0	0.0	0.0	0.0	0.0000966	-0.0003252	-0.0000340	-2.30
31	5.9	-79.3	-9.52	0.0	0.0	0.0	0.0	0.0001112	-0.0003252	-0.0001506	-9.52
32	20.4	-56.8	-29.77	0.0	0.0	0.0	0.0	0.0000529	-0.0001592	0.0003607	-29.77
33	-4.0	-41.8	-12.75	0.0	0.0	0.0	0.0	0.000255	-0.0001592	-0.0000881	-12.75
34	-18.4	6.8	43.82	0.0	0.0	0.0	0.0	-0.0000199	-0.000142	-0.0001364	43.82
35	-0.8	-6.6	36.48	0.0	0.0	0.0	0.0	-0.0000025	-0.0000142	0.0000382	36.48
36	0.0	0.6	16.20	0.0	0.0	0.0	0.0	0.0001013	-0.00015195	0.0010288	16.20
37	10.7	40.6	-2.62	0.0	11.7	0.0	0.0	-0.0000056	-0.0001552	0.0000147	-2.62
38	-3.3	-41.6	36.13	0.0	-7.3	0.0	0.0	0.0000339	-0.0000971	0.0001975	36.13
39	7.3	-21.4	4.82	0.0	0.0	0.0	0.0	-0.0000562	-0.0000971	0.0000261	4.82
40	-20.4	-103.3	18.77	0.0	0.0	0.0	0.0	-0.0000023	-0.0003583	0.0002736	18.77
41	0.9	-88.8	-8.60	0.0	0.0	0.0	0.0	0.0000966	-0.0003583	-0.0001409	-8.60
42	-39.0	-114.8	3.21	0.0	0.0	0.0	0.0	-0.0000204	-0.0004281	0.0000459	3.21
43	-7.2	-121.5	-19.50	0.0	0.0	0.0	0.0	0.0000529	-0.0004281	-0.0003894	-19.50
44	-89.4	14.5	-38.11	0.0	0.0	0.0	0.0	-0.0001762	-0.0004222	0.0005463	-38.11
45	-8.5	-12.7	4.39	0.0	0.0	0.0	0.0	-0.0000199	-0.0004222	-0.0000034	4.39
46	0.0	0.0	7.60	0.0	0.0	0.0	0.0	0.0002155	-0.0003936	0.0007084	7.60
47	0.0	0.0	9.27	0.0	0.0	0.0	0.0	0.0001013	-0.0003936	0.0008363	9.27
48	0.0	0.0	9.81	0.0	0.0	0.0	0.0	0.0000618	-0.0021144	0.0007756	9.81
49	5.1	45.6	5.04	0.0	13.7	0.0	0.0	-0.0000339	0.0001819	-0.0000384	5.04
50	-8.1	-35.1	35.91	0.0	-6.5	0.0	0.0	-0.0000401	-0.0000858	0.0001390	35.91
51	5.1	-25.1	-19.83	0.0	0.0	0.0	0.0	0.0000023	-0.0000858	-0.0000692	-19.83
52	-31.9	-114.0	9.27	0.0	0.0	0.0	0.0	-0.000020	-0.0004235	0.0001414	9.27
53	-22.7	-129.5	-22.89	0.0	0.0	0.0	0.0	0.0000204	-0.0004235	-0.0004143	-22.89
54	-33.9	-230.3	-1.85	0.0	0.0	0.0	0.0	-0.0001456	-0.0009162	0.0000687	-1.85
55	0.0	0.0	-30.80	0.0	0.0	0.0	0.0	-0.0001762	-0.0009162	-0.0013685	-30.80
56	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0001311	-0.0020889	0.0000614	0.90
57	0.0	0.0	3.96	0.0	0.0	0.0	0.0	0.0002155	-0.0020889	0.0003210	3.96
58	0.0	0.0	7.86	0.0	0.0	0.0	0.0	0.0000899	-0.0023557	0.0006887	7.86
59	0.0	0.0	5.96	0.0	0.0	0.0	0.0	0.0000618	-0.0023557	0.0005102	5.96
60	0.0	0.0	7.16	0.0	0.0	0.0	0.0	0.0000266	-0.0024677	0.0006365	7.16
61	0.9	48.8	14.86	0.0	13.9	0.0	0.0	-0.0000401	0.0001851	-0.0001286	14.86
62	-14.0	-26.0	-10.48	0.0	-6.7	0.0	0.0	0.0000281	-0.0000887	0.0000232	-10.48
63	0.0	-31.2	-29.56	0.0	0.0	0.0	0.0	-0.000020	-0.0000887	-0.0001450	-29.56
64	-32.1	-117.5	3.62	0.0	0.0	0.0	0.0	0.0000111	-0.0004477	0.0000583	3.62
65	-33.8	-107.4	-5.06	0.0	0.0	0.0	0.0	0.0001456	-0.0004477	-0.0001060	-5.06
66	-39.2	-236.8	13.63	0.0	0.0	0.0	0.0	0.0000731	-0.0008781	0.0004900	13.63
67	0.0	0.0	-0.74	0.0	0.0	0.0	0.0	-0.0001311	-0.0008781	-0.0000192	-0.74
68	0.0	0.0	15.97	0.0	0.0	0.0	0.0	0.0000281	-0.0018866	0.0001590	15.97
69	0.0	0.0	8.42	0.0	0.0	0.0	0.0	0.0000899	-0.0018866	0.0003247	8.42
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000272	-0.0023651	0.0000724	0.0









BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 2 FORTA PE DIR. DEPLAS. 3= -0.5351570E+04 DEPLAS. 8= -0.2143923E-01 CICLUL= 4 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 2 FORTA PE DIR. DEPLAS. 3= -0.5351570E+04 DEPLAS. 8= -0.2149080E-01 CICLUL= 5 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 2 FORTA PE DIR. DEPLAS. 3= -0.5351570E+04 DEPLAS. 8= -0.2149498E-01 CICLUL= 6 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 2 FORTA PE DIR. DEPLAS. 3= -0.5351570E+04 DEPLAS. 8= -0.2150911E-01 CICLUL= 7 MODIF. IN ELEM. = 0

PASUL NR. 2 FORTA PE DIR. DEPLAS. 3= -0.5351570E+04 DEPLAS. 8= -0.2150911E-01 CICLUL= 7 MODIF. IN ELEM. = 0

## INCARCARI VARIABILE

MODUL	DIRECTIA-X	DIRECTIA-Y
3	0.0000000E+00	-0.1783857E+04
4	0.0000000E+00	-0.5351570E+04
5	0.0000000E+00	-0.1783857E+04
157	0.0000000E+00	0.1783857E+04
158	0.0000000E+00	0.5351570E+04
159	0.0000000E+00	0.1783857E+04

## DEPLASARILE

MODUL	DIRECTIA-X	DIRECTIA-Y
1	0.1715995E-01	-0.1623037E-02
2	0.1718835E-01	-0.8592630E-02
3	0.1709896E-01	-0.1682977E-01
4	0.1695924E-01	-0.2150911E-01
5	0.1707053E-01	-0.2337232E-01
6	0.1737334E-01	-0.2815256E-01
7	0.1748693E-01	-0.3412534E-01
8	0.1005005E-01	-0.1663609E-02
9	0.1002179E-01	-0.8398438E-02
10	0.1029851E-01	-0.1555340E-01
11	0.1072488E-01	-0.1906235E-01
12	0.1105296E-01	-0.2204867E-01
13	0.1137736E-01	-0.2787429E-01
14	0.1144889E-01	-0.3409578E-01
15	0.9117578E-04	-0.1846455E-02
16	0.1700034E-03	-0.7704793E-02
17	0.7154171E-03	-0.1321615E-01
18	0.1174812E-02	-0.1652055E-01
19	0.1546590E-02	-0.2014865E-01
20	0.1720837E-02	-0.2729031E-01
21	0.1705287E-02	-0.3401667E-01
22	-0.4357104E-02	-0.2145224E-02
23	-0.4314114E-02	-0.7397719E-02
24	-0.3921083E-02	-0.1165419E-01
25	-0.3557421E-02	-0.1489266E-01
26	-0.3371848E-02	-0.1935286E-01
27	-0.3504705E-02	-0.2721809E-01
28	-0.2692152E-02	-0.2472841E-01
29	-0.6747677E-02	-0.3362271E-02



30 -0.6670501F-02 -0.7286809E-02  
31 -0.6656489E-02 -0.1039194E-01  
32 -0.6694253E-02 -0.1346386E-01  
33 -0.7296620E-02 -0.1921348E-01  
34 -0.5561003F-02 -0.1763164E-01  
35 -0.5109497E-02 -0.1614479E-01  
36 -0.8458396E-02 -0.5170606E-02  
37 -0.8327703E-02 -0.7222825E-02  
38 -0.8364542F-02 -0.8438068E-02  
39 -0.6397694E-02 -0.8378650E-02  
40 -0.7455629F-02 -0.8854548E-02  
41 -0.7114850E-02 -0.5906240E-02  
42 -0.7016350E-02 -0.3651551E-02  
43 -0.8378071E-02 -0.7217515F-02  
44 -0.8178824E-02 -0.7133371E-02  
45 -0.7980100E-02 -0.6332303E-02  
46 -0.7403184E-02 -0.4054913E-02  
47 -0.7555262E-02 0.3868657E-03  
48 -0.7449613E-02 0.5862729E-02  
49 -0.7328353E-02 0.1042293E-01  
50 -0.6605250E-02 -0.9122075E-02  
51 -0.6418000E-02 -0.6946069E-02  
52 -0.5431151E-02 -0.4663915E-02  
53 -0.4866472E-02 -0.2430418E-02  
54 -0.4677560E-02 0.7840152E-03  
55 -0.4503176E-02 0.5947794E-02  
56 -0.4446660E-02 0.1041488E-01  
57 -0.6053448E-02 -0.9437623E-02  
58 -0.5904615E-02 -0.6912554E-02  
59 -0.4946420E-02 -0.4382714E-02  
60 -0.4429120E-02 -0.2145709E-02  
61 -0.4137518E-02 0.9004042E-03  
62 -0.3917750E-02 0.5974052E-02  
63 -0.3861111E-02 0.1040935E-01  
64 -0.4153171E-02 -0.1029198E-01  
65 -0.4166421E-02 -0.6831748E-02  
66 -0.3482547F-02 -0.3619459E-02  
67 -0.2959569F-02 -0.1371365E-02  
68 -0.2582786E-02 0.1315351E-02  
69 -0.2228464E-02 0.6085353E-02  
70 -0.2157787E-02 0.1038818E-01  
71 -0.2678587E-02 -0.1039921E-01  
72 -0.2610116E-02 -0.6650407E-02  
73 -0.1980074E-02 -0.2948284E-02  
74 -0.1483703E-02 -0.6690979E-03  
75 -0.1056190E-02 0.180006E-02  
76 -0.5897305E-03 0.623007E-02  
77 -0.5033853E-03 0.1035677E-01

78	-0.1114703E-02	-0.1046822E-01
79	-0.1022101E-02	-0.6470216E-02
80	-0.4629577E-03	-0.2349146E-02
81	0.4671395E-15	-0.1915212E-13
82	0.4615904E-03	0.2341773E-02
83	0.1010269E-02	0.6398011E-02
84	0.1095652E-02	0.1030918E-01
85	0.5107887E-03	-0.1051344E-01
86	0.5981956E-03	-0.6303355E-02
87	0.1063681E-02	-0.1808537E-02
88	0.1486692E-02	0.6690731E-03
89	0.1974666E-02	0.2942355E-02
90	0.2574736E-02	0.6577568E-02
91	0.2626719E-02	0.1023548E-01
92	0.2189105E-02	-0.1054486E-01
93	0.2257372E-02	-0.6160632E-02
94	0.2604894E-02	-0.1323803E-02
95	0.2972806E-02	0.1371372E-02
96	0.3479455E-02	0.3614133E-02
97	0.4098979E-02	0.6754678E-02
98	0.4057428E-02	0.1012221E-01
99	0.3916297E-02	-0.1056803E-01
100	0.3969555E-02	-0.6051369E-02
101	0.4182240E-02	-0.9062538E-03
102	0.4463462E-02	0.2146166E-02
103	0.4959340E-02	0.4375533E-02
104	0.5577353E-02	0.6912000E-02
105	0.5804144E-02	0.9395510E-02
106	0.5680493E-02	-0.1058353E-01
107	0.5736440E-02	-0.5983005E-02
108	0.5815305E-02	-0.5875299E-03
109	0.5928047E-02	0.3039296E-02
110	0.6395852E-02	0.5258336E-02
111	0.7103916E-02	0.6950734E-02
112	0.7274142E-02	0.8368065E-02
113	0.7451070E-02	-0.1059000E-01
114	0.7586926E-02	-0.5954371E-02
115	0.7687126E-02	-0.4146547E-03
116	0.7301179E-02	0.4081176E-02
117	0.7834101E-02	0.6304424E-02
118	0.8023034E-02	0.7040411E-02
119	0.8133424E-02	0.7155935E-02
120	0.7078595E-02	0.3605986E-02
121	0.7188982E-02	0.5843466E-02
122	0.7661887E-02	0.8825052E-02
123	0.6918388E-02	0.8530308E-02
124	0.8139353E-02	0.8385712E-02
125	0.8131157E-02	0.7132577E-02

126	0.8270326E-02	0.5088859E-02
127	0.5034798E-02	0.1616492E-01
128	0.5458655E-02	0.1760319E-01
129	0.7089071E-02	0.1916138E-01
130	0.6486675E-02	0.1340195E-01
131	0.6443545E-02	0.1033427E-01
132	0.6462355E-02	0.7201837E-02
133	0.6538026E-02	0.3271804E-02
134	0.2523314E-02	0.2474710E-01
135	0.3288875E-02	0.2718150E-01
136	0.3155988E-02	0.1930093E-01
137	0.3341802E-02	0.1483290E-01
138	0.3704173E-02	0.1159259E-01
139	0.4097878E-02	0.7314548E-02
140	0.4140632E-02	0.2051090E-02
141	0.1932268E-02	0.3399476E-01
142	0.1947840E-02	0.2725417E-01
143	0.1773530E-02	0.2009716E-01
144	0.1401588E-02	0.1646200E-01
145	0.9426501E-03	0.1315181E-01
146	0.3971134E-03	0.7623043E-02
147	0.3181814E-03	0.1751570E-02
148	0.1169790E-01	0.3407332E-01
149	0.1162638E-01	0.2783767E-01
150	0.1130190E-01	0.2199744E-01
151	0.1097381E-01	0.1900337E-01
152	0.1054760E-01	0.1548730E-01
153	0.1027071E-01	0.8317498E-02
154	0.1029899E-01	0.1568315E-02
155	0.1775057E-01	0.3410338E-01
156	0.1763697E-01	0.2811595E-01
157	0.1733415E-01	0.2332160E-01
158	0.1722289E-01	0.2145050E-01
159	0.1736269E-01	0.1676404E-01
160	0.1745201E-01	0.8511835E-02
161	0.1742357E-01	0.1527692E-02

REACIUNI LA NODURI BLOCATE      DINECTIA-Y  
NODUL      DINECTIA-X

81      0.1618590E-02      0.6347820E-03

E F O R T U R I L E I N B E T O N S I A R M A T U R A

NCR=0-NETISURAT\*\*NCR=1-FISURI DIR.1\*\*NCR=2-FISURI DIR.1 INCHISE\*\*NCR=3-FISURI DIR.2\*\*NCR=4-FISURI DIR.2 INCHISE\*\*NCR=999-ZDROBIT  
 NCR=-1-PLASTIC

ELEMENTI NR.	BETON			ARMATURA			DEFORMATII			EXY	ALFAD
	S1	S2	ALFAE NCR	1	2	3	4	EXX	EYY		
1	-0.3	6.2	-42.52	14.9	0.0	0.0	0.0	0.000071	0.000101	0.0000351	-42.52
2	1.1	-20.2	34.49	-14.6	0.0	0.0	0.0	-0.000071	0.000486	0.0001079	34.49
3	12.7	-37.0	-42.20	-46.9	0.0	0.0	0.0	-0.000223	0.000486	0.0002676	-42.20
4	-6.1	-79.6	-6.43	145.3	0.0	0.0	0.0	0.000692	0.0003191	0.0000886	-6.43
5	-3.3	-130.0	-34.35	-146.7	0.0	0.0	0.0	-0.000699	0.0003191	0.0006396	-34.35
6	9.9	-146.6	-6.68	447.7	0.0	0.0	0.0	0.0002132	0.0006117	0.0001959	-6.68
7	-10.8	-179.8	21.60	116.9	0.0	0.0	0.0	0.000556	0.0006117	0.0006267	21.60
8	17.1	-74.3	0.65	344.5	0.0	0.0	0.0	0.0001640	0.0003310	0.0000112	0.65
9	3.4	-90.9	18.63	159.0	0.0	0.0	0.0	0.000757	0.0003310	0.0003095	18.63
10	16.4	-12.5	7.89	170.3	0.0	0.0	0.0	0.0000811	0.0006696	0.0000426	7.89
11	2.0	-16.1	1.69	59.6	0.0	0.0	0.0	0.0000284	0.0006696	0.0000058	1.69
12	6.6	-3.0	-30.57	37.5	0.0	0.0	0.0	0.000179	0.000074	0.0000459	-30.57
13	-0.1	8.1	16.24	0.0	-3.5	0.0	0.0	-0.000071	0.000305	0.0000239	16.24
14	4.2	-37.0	26.33	0.0	-67.2	0.0	0.0	0.000197	0.0001156	0.0001774	26.33
15	13.8	-29.7	-19.23	0.0	0.0	0.0	0.0	0.0000692	0.0001156	0.0001468	-19.23
16	9.2	-96.0	11.32	0.0	0.0	0.0	0.0	0.0001364	0.0003895	0.0002193	11.32
17	27.3	-87.7	-7.31	0.0	0.0	0.0	0.0	0.0002132	0.0003895	0.0001573	-7.31
18	27.3	-93.8	-2.65	0.0	0.0	0.0	0.0	0.0002297	0.0004236	0.0000605	-2.65
19	10.5	-99.5	4.76	0.0	0.0	0.0	0.0	0.0001640	0.0004236	0.0000985	4.76
20	28.6	-73.4	-12.28	0.0	0.0	0.0	0.0	0.0001859	0.0003167	0.0002297	-12.28
21	-1.8	-79.0	8.92	0.0	0.0	0.0	0.0	0.0000811	0.0003167	0.0001280	8.92
22	11.6	-30.0	-25.68	0.0	0.0	0.0	0.0	0.000436	0.000972	0.0001761	-25.68
23	-1.9	-25.3	12.58	0.0	0.0	0.0	0.0	0.000179	0.000972	0.000541	12.58
24	2.5	-8.3	-40.41	0.0	0.0	0.0	0.0	-0.000039	0.000132	0.0000575	-40.41
25	12.9	28.0	-6.41	0.0	-2.9	0.0	0.0	0.0000197	0.0000996	0.0000182	-6.41
26	4.0	-35.5	29.04	0.0	1.3	0.0	0.0	0.000107	0.0001024	0.0001816	29.04
27	30.4	-18.7	13.04	0.0	0.0	0.0	0.0	0.0001364	0.0001024	0.0001169	13.04
28	0.0	-144.8	18.94	0.0	0.0	0.0	0.0	0.0000983	0.0005207	0.0004814	18.94
29	20.1	-119.8	-4.05	0.0	0.0	0.0	0.0	0.0002297	0.0005207	0.0001067	-4.05
30	5.1	-128.8	-1.65	0.0	0.0	0.0	0.0	0.0001818	0.0005426	0.0000418	-1.65
31	9.6	-131.9	-9.00	0.0	0.0	0.0	0.0	0.0001859	0.0005426	0.0002366	-9.00
32	34.2	-93.3	-29.39	0.0	0.0	0.0	0.0	0.0000928	0.0002653	0.0005906	-29.39
33	-6.5	-69.5	-12.66	0.0	0.0	0.0	0.0	0.000436	0.0002653	0.0001461	-12.66
34	-30.6	-10.9	43.86	0.0	0.0	0.0	0.0	-0.000039	0.000242	0.0002245	43.86
35	1.1	-10.7	35.69	0.0	0.0	0.0	0.0	0.0000332	0.000242	0.0000604	35.69
36	0.0	0.0	16.17	0.0	0.0	0.0	0.0	0.0002031	0.00030961	0.00020882	16.17
37	4.2	0.0	-2.62	0.0	963.6	0.0	0.0	0.000107	0.0006085	0.0001178	-2.62
38	13.3	-25.7	34.61	0.0	80.2	0.0	0.0	0.000193	0.000555	0.0001971	34.61
39	25.0	-10.3	18.29	0.0	0.0	0.0	0.0	0.0000983	0.000555	0.0001141	18.29
40	-27.5	-187.7	21.49	0.0	0.0	0.0	0.0	0.0000035	0.0006311	0.0005914	21.49
41	1.5	-155.6	-8.60	0.0	0.0	0.0	0.0	0.0001818	0.0006311	0.0002515	-8.60
42	-61.4	-190.0	1.34	0.0	0.0	0.0	0.0	0.0000189	0.0007144	0.0000325	1.34
43	-10.2	-202.9	-19.67	0.0	0.0	0.0	0.0	-0.0000928	0.0007144	0.0006617	-19.67
44	-150.5	23.3	-37.88	0.0	0.0	0.0	0.0	-0.0003012	0.000697	0.0009124	-37.88
45	-14.0	-21.0	-3.07	0.0	0.0	0.0	0.0	-0.0000332	0.000697	0.0000039	-3.07
46	0.0	0.0	7.62	0.0	0.0	0.0	0.0	0.0004339	0.0047932	0.00014236	7.62
47	0.0	0.0	9.14	0.0	0.0	0.0	0.0	0.0002031	0.0047932	0.00016506	9.14
48	0.0	0.0	9.87	0.0	0.0	0.0	0.0	0.0001129	0.0042918	0.00015804	9.87
49	0.0	0.0	5.04	0.0	1150.8	0.0	0.0	0.0000193	0.0007233	0.0002968	5.04
50	16.1	-13.6	34.37	0.0	120.8	0.0	0.0	0.0000327	0.0000256	0.0001498	34.37
51	7.0	-14.6	-37.80	0.0	0.0	0.0	0.0	0.0000035	0.000256	0.0001134	-37.80
52	-56.1	-215.0	13.08	0.0	0.0	0.0	0.0	-0.000092	0.0007815	0.0003794	13.08
53	-31.6	-242.8	-24.10	0.0	0.0	0.0	0.0	-0.000189	0.0007815	0.0008527	-24.10
54	-65.7	-359.8	0.39	0.0	0.0	0.0	0.0	-0.0009834	0.0020341	0.0000889	0.39
55	0.0	-0.0	-29.97	0.0	0.0	0.0	0.0	0.0003012	0.0020341	0.00029934	-29.97
56	0.0	0.0	-1.38	0.0	0.0	0.0	0.0	0.0005290	0.0041436	0.0001743	-1.38
57	0.0	0.0	2.86	0.0	0.0	0.0	0.0	0.0004339	0.0041436	0.0004591	2.86
58	0.0	0.0	7.94	0.0	0.0	0.0	0.0	0.0000852	0.0046902	0.00013586	7.94
59	0.0	0.0	5.84	0.0	0.0	0.0	0.0	0.0001129	0.0046902	0.0009933	5.84
60	0.0	0.0	7.40	0.0	0.0	0.0	0.0	0.0000246	0.0049973	0.00013264	7.40
61	-12.2	0.0	14.86	0.0	1344.7	0.0	0.0	0.0000327	0.0008188	0.0005452	14.86
62	11.9	-6.3	-12.11	0.0	104.5	0.0	0.0	0.000498	0.000358	0.000385	-12.11
63	25.9	-41.3	-42.91	0.0	0.0	0.0	0.0	-0.000092	0.000358	0.0003634	-42.91
64	-53.4	-218.3	1.49	0.0	0.0	0.0	0.0	0.0000497	0.0008423	0.0000465	1.49
65	-202.2	-0.0	86.13	0.0	0.0	0.0	0.0	0.0009834	0.0008423	0.0001241	-202.2
66	-95.2	-373.1	19.14	0.0	0.0	0.0	0.0	0.0002885	0.0017295	0.00015409	19.14
67	0.0	0.0	15.99	0.0	0.0	0.0	0.0	-0.0005290	0.0017295	0.0001643	15.99
68	0.0	0.0	5.80	0.0	0.0	0.0	0.0	0.0000760	0.0036966	0.00022607	5.80
69	0.0	0.0	8.81	0.0	0.0	0.0	0.0	0.0000852	0.0036966	0.0007769	8.81
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000264	0.0047076	0.00015029	0.0







BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3= -0.5851570E+04 DEPLAS. 8= -0.2416293E-01 CICLUL= 4 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3= -0.5851570E+04 DEPLAS. 8= -0.2417375E-01 CICLUL= 5 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3= -0.5851570E+04 DEPLAS. 8= -0.2417734E-01 CICLUL= 6 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3= -0.5851570E+04 DEPLAS. 8= -0.2416096E-01 CICLUL= 7 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3= -0.5851570E+04 DEPLAS. 8= -0.2433825E-01 CICLUL= 8 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3= -0.5851570E+04 DEPLAS. 8= -0.2433997E-01 CICLUL= 9 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1

BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3 = -0.5851570E+04 DEPLAS. 8 = -0.2433937E-01 CICLUL = 10 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3 = -0.5851570E+04 DEPLAS. 8 = -0.2433898E-01 CICLUL = 11 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3 = -0.5851570E+04 DEPLAS. 8 = -0.2433875E-01 CICLUL = 12 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FUFTA PE DIR. DEPLAS. 3 = -0.5851570E+04 DEPLAS. 8 = -0.2433854E-01 CICLUL = 13 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3 = -0.5851570E+04 DEPLAS. 8 = -0.2433875E-01 CICLUL = 14 MODIF. IN ELEM. = 0

PASUL NR. 3 FORTA PE DIR. DEPLAS. 3 = -0.5851570E+04 DEPLAS. 8 = -0.2433854E-01 CICLUL = 14 MODIF. IN ELEM. = 0



## INCARCARI VARIABILE

NODUL	DIRECTIA-X	DIRECTIA-Y
3	0.0000000E+00	-0.1950523E+04
4	0.0000000E+00	-0.5851570E+04
5	0.0000000E+00	-0.1950523E+04
157	0.0000000E+00	0.1950523E+04
158	0.0000000E+00	0.5851570E+04
159	0.0000000E+00	0.1950523E+04

## DEPLASARILE

NODUL	DIRECTIA-X	DIRECTIA-Y
1	0.1919660E-01	-0.2016042E-02
2	0.1922834E-01	-0.9865348E-02
3	0.1913364E-01	-0.1910377E-01
4	0.1898261E-01	-0.2433895E-01
5	0.1910512E-01	-0.2649467E-01
6	0.1943649E-01	-0.3195600E-01
7	0.1956048E-01	-0.3872098E-01
8	0.1119058E-01	-0.2061374E-02
9	0.1115935E-01	-0.9652160E-02
10	0.1146476E-01	-0.1770599E-01
11	0.1193338E-01	-0.2166239E-01
12	0.1229240E-01	-0.2504700E-01
13	0.1264634E-01	-0.3165222E-01
14	0.1272410E-01	-0.3868835E-01
15	-0.4944732E-04	-0.2269535E-02
16	0.3660704E-04	-0.8890583E-02
17	0.6401191E-03	-0.1513529E-01
18	0.1147185E-02	-0.1888431E-01
19	0.1550542E-02	-0.2297467E-01
20	0.1738046E-02	-0.3101710E-01
21	0.1721052E-02	-0.3860291E-01
22	-0.5084994E-02	-0.2607893E-02
23	-0.5040952E-02	-0.8552154E-02
24	-0.4598488E-02	-0.1339629E-01
25	-0.4195798E-02	-0.1712107E-01
26	-0.4004587E-02	-0.2211599E-01
27	-0.4148716E-02	-0.3093832E-01
28	-0.3246525E-02	-0.2802817E-01
29	-0.7807017E-02	-0.3986245E-02

30 -0.7722097E-02 -0.8429440E-02  
31 -0.7701606F-02 -0.1197104E-01  
32 -0.7762221E-02 -0.1560942E-01  
33 -0.8407427E-02 -0.2196698E-01  
34 -0.6497019E-02 -0.1999942E-01  
35 -0.6005837E-02 -0.1823995E-01  
36 -0.9762045F-02 -0.6043871E-02  
37 -0.9618924F-02 -0.8358657E-02  
38 -0.9629409F-02 -0.9710543E-02  
39 -0.7857541E-02 -0.9407770E-02  
40 -0.8825766F-02 -0.1000510E-01  
41 -0.8336889E-02 -0.5575600E-02  
42 -0.8222223E-02 -0.3948874E-02  
43 -0.9689678E-02 -0.8391949E-02  
44 -0.9466151E-02 -0.8257640E-02  
45 -0.9274635F-02 -0.7288310E-02  
46 -0.8691661E-02 -0.4315974E-02  
47 -0.8854356E-02 0.6213654E-03  
48 -0.8726493E-02 0.6889958E-02  
49 -0.8593233F-02 0.1218254E-01  
50 -0.7627349E-02 -0.1060858E-01  
51 -0.7420010E-02 -0.8057822E-02  
52 -0.6290306E-02 -0.5363938E-02  
53 -0.5699150F-02 -0.2630236E-02  
54 -0.5500126E-02 0.1043663E-02  
55 -0.5309209F-02 0.6980402E-02  
56 -0.5247489E-02 0.1217314E-01  
57 -0.6984650E-02 -0.1097810E-01  
58 -0.682172E-02 -0.8021874E-02  
59 -0.5730864E-02 -0.5036922E-02  
60 -0.5175115E-02 -0.2328271E-02  
61 -0.4868540F-02 0.1168231E-02  
62 -0.4629496E-02 0.7008276E-02  
63 -0.4568049F-02 0.1216633E-01  
64 -0.4773479E-02 -0.1198013E-01  
65 -0.4795931E-02 -0.7938307E-02  
66 -0.4025127E-02 -0.4171244E-02  
67 -0.3455121E-02 -0.1496097E-02  
68 -0.3049490F-02 0.1616293E-02  
69 -0.2662721E-02 0.7126958E-02  
70 -0.2586607F-02 0.1214241E-01  
71 -0.3053346E-02 -0.1210820E-01  
72 -0.2981361F-02 -0.7738880E-02  
73 -0.2275462F-02 -0.3417698E-02  
74 -0.1731210E-02 -0.7321361E-03  
75 -0.1265162F-02 0.2145040E-02  
76 -0.7511349E-03 0.7281893E-02  
77 -0.6576156E-03 0.1210623E-01

78	-0.1231007E-02	-0.1219175E-01
79	-0.1130628E-02	-0.7541250E-02
80	-0.5080409E-03	-0.2750778E-02
81	0.1352387E-14	-0.2264029E-13
82	0.5066156E-03	0.2741584E-02
83	0.1117973E-02	0.7462351E-02
84	0.1212124E-02	0.1205195E-01
85	0.6610223E-03	-0.1224713E-01
86	0.7564599E-03	-0.7358934E-02
87	0.1271348E-02	-0.2153907E-02
88	0.1733619E-02	0.7326241E-03
89	0.2270150E-02	0.3408837E-02
90	0.2948072E-02	0.7655544E-02
91	0.3010083E-02	0.1196887E-01
92	0.2611702E-02	-0.1228560E-01
93	0.2686806E-02	-0.7203838E-02
94	0.3068595E-02	-0.1623376E-02
95	0.3466013E-02	0.1498139E-02
96	0.4019648E-02	0.4162250E-02
97	0.4733508E-02	0.7846290E-02
98	0.4704440E-02	0.1184275E-01
99	0.4615561E-02	-0.1231343E-01
100	0.4675456E-02	-0.7085749E-02
101	0.4908883E-02	-0.117974E-02
102	0.5205485E-02	0.2333302E-02
103	0.5731425E-02	0.5024902E-02
104	0.6693112E-02	0.7918750E-02
105	0.6885232E-02	0.1089797E-01
106	0.6658182E-02	-0.1233141E-01
107	0.6723122E-02	-0.7012253E-02
108	0.6818591E-02	-0.8291521E-03
109	0.6939203E-02	0.3278812E-02
110	0.7455385E-02	0.6043900E-02
111	0.8390456E-02	0.7981675E-02
112	0.8573982E-02	0.9653042E-02
113	0.8704294E-02	-0.1233842E-01
114	0.8857287E-02	-0.6981015E-02
115	0.8985713E-02	-0.6439772E-03
116	0.8578343E-02	0.4357627E-02
117	0.9167476E-02	0.7260093E-02
118	0.9420577E-02	0.8087747E-02
119	0.9545352E-02	0.8226630E-02
120	0.8228209E-02	0.3988439E-02
121	0.8320785E-02	0.6587406E-02
122	0.8726346E-02	0.1003156E-01
123	0.7648993E-02	0.9538106E-02
124	0.9494520E-02	0.9678492E-02
125	0.9500692E-02	0.8195409E-02

126	0.9654709E-02	0.5831178E-02
127	0.5883453E-02	0.1839969E-01
128	0.6352692E-02	0.2009291E-01
129	0.8214199E-02	0.2202476E-01
130	0.7567837E-02	0.1561689E-01
131	0.7507995E-02	0.1193361E-01
132	0.7537533E-02	0.8274737E-02
133	0.7620520E-02	0.3750873E-02
134	0.3026883E-02	0.2824630E-01
135	0.3906369E-02	0.3109703E-01
136	0.3762040E-02	0.2217387E-01
137	0.3953675E-02	0.1712933E-01
138	0.4356471E-02	0.1335637E-01
139	0.4802634E-02	0.8400731E-02
140	0.4846145E-02	0.2362505E-02
141	-0.2038887E-02	0.3886293E-01
142	-0.2055829E-02	0.3117596E-01
143	-0.1868033E-02	0.2303235E-01
144	-0.1464484E-02	0.1889237E-01
145	-0.9574930E-03	0.1509315E-01
146	-0.3526062E-03	0.8741998E-02
147	-0.2661628E-03	0.2022175E-02
148	-0.1319369E-01	0.3894908E-01
149	-0.1311587E-01	0.3181134E-01
150	-0.1276193E-01	0.2510513E-01
151	-0.1240294E-01	0.2167038E-01
152	-0.1193444E-01	0.1766264E-01
153	-0.1162653E-01	0.9505329E-02
154	-0.1165977E-01	0.1813045E-02
155	-0.2013133E-01	0.3898130E-01
156	-0.2000737E-01	0.3211517E-01
157	-0.1967621E-01	0.2655271E-01
158	-0.1955388E-01	0.2434627E-01
159	-0.1970513E-01	0.1906024E-01
160	-0.1979973E-01	0.9718739E-02
161	-0.1976794E-01	0.1767617E-02

KFACIUNI LA MODURI BLUCATE      DIRECTIA-Y  
MODUL      DIRECTIA-X

81    0.1136875E-02      0.6134212E-03

E F O R T U R I L E I N B E T O N S I A R M A T U R A

ELEMENTI NR.	BETON		ARMATURA		3	4	DEFORMATII		EY	ALFAD
	S1	S2	ALFAE	NCR			EXX	EYY		
1	-0.3	6.9	-42.52	0	0.0	0.0	0.000079	0.0000113	0.0000392	-42.52
2	1.3	-22.3	34.58	0	0.0	0.0	-0.000078	-0.0000533	0.0001195	34.58
3	13.9	-42.3	-42.11	0	0.0	0.0	-0.0000237	-0.0000533	0.0002924	-42.11
4	-6.5	-87.1	-6.37	0	0.0	0.0	-0.0000764	-0.0003494	-0.000962	-6.37
5	-3.4	-142.3	-34.32	0	0.0	0.0	-0.0000755	-0.0003494	-0.0007004	-34.32
6	11.2	-160.3	-6.73	0	0.0	0.0	0.0002343	-0.0006690	-0.0002161	-6.73
7	-11.8	-196.6	21.57	0	0.0	0.0	0.0000613	-0.0006690	0.0006844	21.57
8	18.7	-81.3	0.59	0	0.0	0.0	0.0001795	-0.0003619	0.0000111	0.59
9	3.7	-99.4	18.61	0	0.0	0.0	0.0000828	-0.0003619	0.0003378	18.61
10	17.9	-13.6	7.85	0	0.0	0.0	0.0000885	-0.0000759	0.0000462	7.85
11	2.2	-17.6	1.68	0	0.0	0.0	0.0000310	-0.0000759	0.0000063	1.68
12	7.2	-3.3	-30.62	0	0.0	0.0	0.0000194	-0.000080	-0.0000501	-30.62
13	0.1	9.1	14.91	0	0.0	0.0	-0.0000078	0.0000347	-0.0000244	14.91
14	4.8	-41.0	26.61	0	0.0	0.0	0.0000215	-0.0001269	0.0001985	26.61
15	15.2	-32.5	-19.07	0	0.0	0.0	0.0000764	-0.0001269	-0.0001597	-19.07
16	10.4	-105.6	11.37	0	0.0	0.0	0.0001509	-0.0004284	0.0002429	11.37
17	30.6	-96.5	-7.37	0	0.0	0.0	0.0002343	-0.0004284	-0.0001743	-7.37
18	30.6	-102.5	-3.06	0	0.0	0.0	0.0002535	-0.0004631	-0.0000768	-3.06
19	11.5	-108.7	4.67	0	0.0	0.0	0.0001795	-0.0004631	0.0001056	4.67
20	31.1	-80.3	-12.49	0	0.0	0.0	0.0002017	-0.0003454	-0.0002549	-12.49
21	-2.0	-86.1	8.88	0	0.0	0.0	0.0000885	-0.0003454	0.0001390	8.88
22	12.6	-32.8	-22.79	0	0.0	0.0	0.0000469	-0.001059	-0.0001926	-22.79
23	-2.0	-27.6	12.59	0	0.0	0.0	0.0000194	-0.001059	0.0000589	12.59
24	2.7	-9.0	-40.43	0	0.0	0.0	-0.0000042	-0.000143	-0.0000626	-40.43
25	14.3	31.7	-7.15	0	0.0	0.0	0.0000215	0.0001128	0.0000233	-7.15
26	4.8	-39.7	29.52	0	0.0	0.0	0.0000110	-0.0001128	0.0002065	29.52
27	33.7	-20.7	13.24	0	0.0	0.0	0.0001509	-0.0001128	0.0001313	13.24
28	0.2	-161.0	18.89	0	0.0	0.0	0.0001106	-0.0005797	0.0005352	18.89
29	21.9	-133.7	-4.38	0	0.0	0.0	0.0002535	-0.0005797	-0.0001283	-4.38
30	7.0	-139.5	-2.94	0	0.0	0.0	0.0002013	-0.0005877	-0.0000814	-2.94
31	10.7	-143.0	-9.25	0	0.0	0.0	0.0002017	-0.0005877	0.0002642	-9.25
32	36.6	-101.9	-29.70	0	0.0	0.0	0.0000956	-0.002862	-0.0006457	-29.70
33	-7.0	-75.1	-12.75	0	0.0	0.0	0.0000469	-0.002862	0.0001589	-12.75
34	-33.2	11.8	43.85	0	0.0	0.0	-0.0000360	-0.000263	-0.0002433	43.85
35	1.2	-11.6	35.75	0	0.0	0.0	-0.0000042	-0.000263	0.0000658	35.75
36	0.0	0.0	16.22	0	0.0	0.0	0.0002255	-0.0035249	0.00023834	16.22
37	4.4	0.0	-2.62	0	0.0	0.0	0.0000110	-0.0006892	-0.0001251	-2.62
38	15.7	-29.4	35.12	0	0.0	0.0	0.0000212	-0.000614	0.0002298	35.12
39	28.0	-11.4	18.49	0	0.0	0.0	0.0001106	-0.000614	0.0001295	18.49
40	-30.9	-211.7	21.43	0	0.0	0.0	0.0000051	-0.0007126	0.0000662	21.43
41	1.5	-176.8	-9.39	0	0.0	0.0	0.0002013	-0.0007126	-0.0003108	-9.39
42	-67.7	-201.8	-1.42	0	0.0	0.0	-0.0000303	-0.0007558	-0.0000360	-1.42
43	-10.6	-215.8	37.88	0	0.0	0.0	0.0000956	-0.0007558	0.0007142	37.88
44	-161.2	25.0	-30.00	0	0.0	0.0	-0.0003226	-0.000746	-0.0009773	-30.00
45	-15.4	-22.5	-3.08	0	0.0	0.0	-0.0000360	-0.000746	0.0000042	-3.08
46	0.0	0.0	7.82	0	0.0	0.0	0.0004776	-0.0054694	0.0016660	7.82
47	0.0	0.0	9.23	0	0.0	0.0	0.0002255	-0.0054694	0.0019017	9.23
48	0.0	0.0	9.97	0	0.0	0.0	0.0001228	-0.0048941	0.0018195	9.97
49	0.3	0.0	5.04	0	0.0	0.0	0.0000212	-0.0008231	-0.0003288	5.04
50	18.9	-16.4	35.20	0	0.0	0.0	0.0000358	-0.0000283	0.0001800	35.20
51	8.1	-16.1	-37.61	0	0.0	0.0	0.0000051	-0.000283	-0.0001267	-37.61
52	-63.1	-247.8	-25.83	0	0.0	0.0	-0.000026	-0.0009042	-0.0004332	-25.83
53	-34.2	-286.2	-25.09	0	0.0	0.0	-0.0000303	-0.0009042	0.0010481	-25.09
54	-59.1	-359.6	1.33	0	0.0	0.0	-0.0008859	-0.0024807	0.0001895	1.33
55	0.0	0.0	-27.75	0	0.0	0.0	-0.0003226	-0.0024807	-0.0001406	-27.75
56	0.0	0.0	-0.88	0	0.0	0.0	-0.0004841	-0.0047843	-0.0001318	-0.88
57	0.0	0.0	3.57	0	0.0	0.0	0.0004776	-0.0047843	0.0006592	3.57
58	0.0	0.0	8.04	0	0.0	0.0	0.0001222	-0.0053695	0.0015936	8.04
59	0.0	0.0	7.52	0	0.0	0.0	0.0001228	-0.0053695	0.0011758	7.52
60	0.0	0.0	14.86	0	0.0	0.0	0.0000287	-0.0057164	0.0015432	14.86
61	-13.3	0.0	-7.98	0	0.0	0.0	0.0000358	-0.0009392	-0.0006076	-7.98
62	11.9	-6.6	-42.30	0	0.0	0.0	0.0000559	-0.000404	-0.0002775	-42.30
63	29.6	-44.4	2.82	0	0.0	0.0	0.000026	-0.000404	0.0003991	2.82
64	-63.6	-252.2	86.13	0	0.0	0.0	-0.000479	-0.0009689	0.0001004	-63.6
65	-230.4	-252.0	-27.75	0	0.0	0.0	-0.0008859	-0.0009689	0.0000095	-27.75
66	-104.4	-375.2	18.94	0	0.0	0.0	0.0002915	-0.0020367	0.0018198	18.94
67	0.0	0.0	15.37	0	0.0	0.0	-0.0004841	-0.0020367	0.0000345	15.37
68	0.0	0.0	5.62	0	0.0	0.0	-0.0000813	-0.0042510	0.00024801	5.62
69	0.0	0.0	8.82	0	0.0	0.0	0.0001222	-0.0042510	0.0008691	8.82
70	0.0	0.0	0.00	0	0.0	0.0	0.0000320	-0.0053862	0.0017230	0.00











BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 4 FORTA PE DIR. DEPLAS. 3= -0.5951570E+04 DEPLAS. 8= -0.2500255E-01 CICLUL= 4 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 4 FORTA PE DIR. DEPLAS. 3= -0.5951570E+04 DEPLAS. 8= -0.2504286E-01 CICLUL= 5 MODIF. IN ELEM. = 0

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 4 FORTA PE DIR. DEPLAS. 3= -0.5951570E+04 DEPLAS. 8= -0.2507424E-01 CICLUL= 6 MODIF. IN ELEM. = 0  
PASUL NR. 4 FORTA PL DIR. DEPLAS. 3= -0.5951570E+04 DEPLAS. 8= -0.2507424E-01 CICLUL= 6 MODIF. IN ELEM. = 0

PASUL NR. 4

INCARCARI VARIABILE

NODUL	DIRECTIA-X	DIRECTIA-Y
3	0.0000000E+00	-0.1983857E+04
4	0.0000000E+00	-0.5951570E+04
5	0.0000000E+00	-0.1983857E+04
157	0.0000000E+00	0.1983857E+04
158	0.0000000E+00	0.5951570E+04
159	0.0000000E+00	0.1983857E+04

DEPLASARILE

NODUL	DIRECTIA-X	DIRECTIA-Y
1	0.2033138E-01	-0.1705515E-02
2	0.2036384E-01	-0.9953571E-02
3	0.2026793E-01	-0.1961715E-01
4	0.2011403E-01	-0.2507424E-01
5	0.2023831E-01	-0.2739893E-01
6	0.2057492E-01	-0.3321682E-01
7	0.2070094E-01	-0.4036070E-01
8	0.1192305E-01	-0.1751878E-02
9	0.1189126E-01	-0.9736246E-02
10	0.1220324E-01	-0.1819561E-01
11	0.1267994E-01	-0.2235271E-01
12	0.1304507E-01	-0.2592660E-01
13	0.1340502E-01	-0.3290730E-01
14	0.1348419E-01	-0.4032735E-01
15	0.9128798E-04	-0.1966259E-02
16	0.1797723E-03	-0.8957897E-02
17	0.7977546E-03	-0.1558154E-01
18	0.1314174E-02	-0.1952775E-01
19	0.1724549E-02	-0.2381946E-01
20	0.1915545E-02	-0.3226151E-01
21	0.1898386E-02	-0.4023994E-01
22	-0.5230871E-02	-0.2315595E-02
23	-0.5186876E-02	-0.8607737E-02
24	-0.4725411E-02	-0.1381237E-01
25	-0.4314605E-02	-0.1773658E-01
26	-0.4121012E-02	-0.2294691E-01
27	-0.4267960E-02	-0.3218113E-01
28	-0.3320634E-02	-0.2921961E-01
29	-0.8139798E-02	-0.3743306E-02

30 -0.8053240E-02 -0.8476151E-02  
31 -0.8004935E-02 -0.1236083E-01  
32 -0.8070319E-02 -0.1620477E-01  
33 -0.8727239E-02 -0.2279574E-01  
34 -0.6723685E-02 -0.2080925E-01  
35 -0.6206244E-02 -0.1902858E-01  
36 -0.1028295E-01 -0.5892395E-02  
37 -0.1015985E-01 -0.8391390E-02  
38 -0.1007270E-01 -0.1004026E-01  
39 -0.8204481E-02 -0.7731613E-02  
40 -0.9171783E-02 -0.1036724E-01  
41 -0.8640789E-02 -0.6855497E-02  
42 -0.8515671E-02 -0.4162927E-02  
43 -0.1046311E-01 -0.3410026E-02  
44 -0.1021006E-01 -0.8252919E-02  
45 -0.9614582E-02 -0.7523238E-02  
46 -0.9017486E-02 -0.4585978E-02  
47 -0.9174415E-02 0.5777377E-03  
48 -0.9035141E-02 0.7135740E-02  
49 -0.8897644E-02 0.1259944E-01  
50 -0.7980481E-02 -0.1094375E-01  
51 -0.7777547E-02 -0.8232720E-02  
52 -0.6519195E-02 -0.5534392E-02  
53 -0.5907170E-02 -0.2675497E-02  
54 -0.5701310E-02 0.1104243E-02  
55 -0.5505253E-02 0.7227434E-02  
56 -0.5442222E-02 0.1258918E-01  
57 -0.7317855E-02 -0.1132521E-01  
58 -0.7181324E-02 -0.8193006E-02  
59 -0.5929715E-02 -0.5197790E-02  
60 -0.5356248E-02 -0.2367749E-02  
61 -0.5045989E-02 0.1234756E-02  
62 -0.4802885E-02 0.7255611E-02  
63 -0.4740528E-02 0.1258251E-01  
64 -0.5051800E-02 -0.1237690E-01  
65 -0.5161817E-02 -0.8096519E-02  
66 -0.4115088E-02 -0.4295797E-02  
67 -0.3559459E-02 -0.1524797E-02  
68 -0.3157486E-02 0.1688650E-02  
69 -0.2769114E-02 0.7375263E-02  
70 -0.2693007E-02 0.1255644E-01  
71 -0.3188979E-02 -0.1253046E-01  
72 -0.3090220E-02 -0.7965393E-02  
73 -0.2336871E-02 -0.3527101E-02  
74 -0.1784003E-02 -0.7472706E-03  
75 -0.1313082E-02 0.2225936E-02  
76 -0.7931559E-03 0.7531942E-02  
77 -0.6994820E-03 0.1251800E-01

78	-0.1282170E-02	-0.1260996E-01
79	-0.1170138E-02	-0.7767508E-02
80	-0.5200192E-03	-0.2838234E-02
81	0.8558947E-15	-0.2353802E-13
82	0.5159834E-03	0.2833949E-02
83	0.1138149E-02	0.7715012E-02
84	0.1232780E-02	0.1246093E-01
85	0.6845115E-03	-0.1266259E-01
86	0.7846644E-03	-0.7585538E-02
87	0.1316210E-02	-0.2228005E-02
88	0.1789156E-02	0.7475656E-03
89	0.2336555E-02	0.3515318E-02
90	0.3028916E-02	0.7911405E-02
91	0.3091034E-02	0.1237444E-01
92	0.2705378E-02	-0.1269929E-01
93	0.2781984E-02	-0.7430632E-02
94	0.3173453E-02	-0.1687148E-02
95	0.3578863E-02	0.1527243E-02
96	0.4143196E-02	0.4285621E-02
97	0.4873771E-02	0.8105540E-02
98	0.4842884E-02	0.1224399E-01
99	0.4777716E-02	-0.1272611E-01
100	0.4837607E-02	-0.7312658E-02
101	0.5075711E-02	-0.1227157E-02
102	0.5376983E-02	0.2375444E-02
103	0.5911791E-02	0.5168639E-02
104	0.6897233E-02	0.8178610E-02
105	0.7092949E-02	0.1126185E-01
106	0.6888505E-02	-0.1274364E-01
107	0.6952459E-02	-0.7239270E-02
108	0.7049179E-02	-0.8805453E-03
109	0.7170667E-02	0.3331959E-02
110	0.7693462E-02	0.6213455E-02
111	0.8650931E-02	0.8241999E-02
112	0.8837389E-02	0.9993036E-02
113	0.9003353E-02	-0.1275057E-01
114	0.9154434E-02	-0.7208139E-02
115	0.9283573E-02	-0.6934812E-03
116	0.8872478E-02	0.4417794E-02
117	0.9465079E-02	0.7462862E-02
118	0.9719058E-02	0.8349276E-02
119	0.9845980E-02	0.8528894E-02
120	0.8530832E-02	0.3970973E-02
121	0.8621152E-02	0.6676530E-02
122	0.9039518E-02	0.1023951E-01
123	0.7954659E-02	0.9732129E-02
124	0.9807004E-02	0.9941408E-02
125	0.9817114E-02	0.8459117E-02

126	0.9973671E-02	0.6075694E-02
127	0.6144206E-02	0.1672317E-01
128	0.6618629E-02	0.2049912E-01
129	0.8512633E-02	0.2253167E-01
130	0.7856674E-02	0.1601932E-01
131	0.7794586E-02	0.1225153E-01
132	0.7826255E-02	0.8540000E-02
133	0.7910646E-02	0.3948434E-02
134	0.3236346E-02	0.2877785E-01
135	0.4131582E-02	0.3175811E-01
136	0.3984897E-02	0.2268288E-01
137	0.4178386E-02	0.1755155E-01
138	0.4589014E-02	0.1370455E-01
139	0.5044940E-02	0.8668413E-02
140	0.5088779E-02	0.2529941E-02
141	-0.1915779E-02	0.3965757E-01
142	-0.1932995E-02	0.3183834E-01
143	-0.1742319E-02	0.2355510E-01
144	-0.1332253E-02	0.1934252E-01
145	-0.8159159E-03	0.1547520E-01
146	-0.1996123E-03	0.9015940E-02
147	-0.1116649E-03	0.2182264E-02
148	-0.1326280E-01	0.3974519E-01
149	-0.1318369E-01	0.3248428E-01
150	-0.1282381E-01	0.2566211E-01
151	-0.1245866E-01	0.2216741E-01
152	-0.1198184E-01	0.1809051E-01
153	-0.1167032E-01	0.9792777E-02
154	-0.1170213E-01	0.1968524E-02
155	-0.2032026E-01	0.3977795E-01
156	-0.2019422E-01	0.3279324E-01
157	-0.1985741E-01	0.2713438E-01
158	-0.1973292E-01	0.2488949E-01
159	-0.1986656E-01	0.1951225E-01
160	-0.1998242E-01	0.1000944E-01
161	-0.1995000E-01	0.1922204E-02

REACTIUNI LA NUDURI BLUCATE  
 MODUL DIRECTIA-X

DIRECTIA-Y

81 0.1584537E-02 0.9552240E-03

E F O R T U R I L E I N B E T O N S I A R M A T U R A

NCR=0-NEFISURAT\*\*NCR=1-FISURI DIR.1\*\*NCR=2-FISURI DIR.1 INCHISE\*\*NCR=3-FISURI DIR.2\*\*NCR=4-FISURI DIR.2 INCHISE\*\*NCR=999-ZDRUBIT  
 NCR=-1-PLASTIC

ELEMENTI NR.	S1	BETON	S2	ALFAE	NCR	1	ARMATURA 2	3	4	EXX	DEFORMATII EYY	EXY	ALFAD
1	-0.3	7.1	7.1	-42.52	0	17.0	0.0	0.0	0.0	0.000081	0.0000116	0.0000401	-42.52
2	1.4	-22.7	-22.7	34.60	0	-16.7	0.0	0.0	0.0	-0.000079	-0.0000543	0.0001221	34.60
3	14.2	-41.1	-41.1	-42.09	0	-50.3	0.0	0.0	0.0	-0.000240	-0.0000543	0.0002978	-42.09
4	6.5	-88.6	-88.6	-6.41	0	163.8	0.0	0.0	0.0	0.0000780	0.0003554	0.0000987	-6.41
5	-3.5	-144.7	-144.7	-34.33	0	-161.6	0.0	0.0	0.0	-0.0000769	-0.0003554	0.00007124	-34.33
6	11.4	-163.0	-163.0	-6.73	0	500.5	0.0	0.0	0.0	0.0002384	-0.0006804	0.0002200	-6.73
7	-12.0	-199.9	-199.9	21.58	0	130.5	0.0	0.0	0.0	0.0000621	-0.0006804	0.00006962	21.58
8	19.0	-82.6	-82.6	0.59	0	383.4	0.0	0.0	0.0	0.0001826	0.0003681	0.0000114	0.59
9	3.8	-101.1	-101.1	18.62	0	176.7	0.0	0.0	0.0	0.0000842	-0.0003681	0.00003438	18.62
10	18.2	-133.9	-133.9	7.88	0	189.0	0.0	0.0	0.0	0.0000900	-0.0000773	0.00000472	7.88
11	2.2	-17.9	-17.9	1.71	0	66.2	0.0	0.0	0.0	0.0000315	-0.0000773	0.00000065	1.71
12	7.3	-3.4	-3.4	-30.57	0	41.6	0.0	0.0	0.0	0.0000198	-0.0000082	0.0000508	-30.57
13	0.2	9.4	9.4	14.46	0	0.0	7.5	0.0	0.0	0.0000079	0.0000357	0.0000241	14.46
14	5.0	-41.9	-41.9	26.67	0	0.0	-96.8	0.0	0.0	-0.0000221	-0.0001297	0.00002040	26.67
15	15.5	-33.2	-33.2	-19.05	0	0.0	0.0	0.0	0.0	0.0000780	-0.0001297	0.0001629	-19.05
16	10.8	-107.2	-107.2	11.27	0	0.0	0.0	0.0	0.0	0.0001545	-0.0004357	0.0002450	11.27
17	30.5	-98.2	-98.2	-7.38	0	0.0	0.0	0.0	0.0	0.0002384	-0.0004357	0.0001776	-7.38
18	31.2	-104.1	-104.1	-3.09	0	0.0	0.0	0.0	0.0	0.0002582	-0.0004708	0.0000788	-3.09
19	11.7	-110.5	-110.5	4.66	0	0.0	0.0	0.0	0.0	0.0001826	-0.0004708	0.0001073	4.66
20	11.6	-81.7	-81.7	-12.49	0	0.0	0.0	0.0	0.0	0.0002052	-0.0003512	0.00002591	-12.49
21	-2.0	-87.5	-87.5	8.89	0	0.0	0.0	0.0	0.0	0.0000900	-0.0003512	0.0001415	8.89
22	12.8	-33.3	-33.3	-25.76	0	0.0	0.0	0.0	0.0	0.0000477	-0.0001077	0.0001956	-25.76
23	-2.1	-28.1	-28.1	12.58	0	0.0	0.0	0.0	0.0	0.0000198	-0.0001077	0.0000599	12.58
24	2.7	-9.2	-9.2	-40.38	0	0.0	0.0	0.0	0.0	-0.0000043	-0.0000147	0.0000636	-40.38
25	14.7	32.8	32.8	-7.75	0	0.0	32.4	0.0	0.0	0.0000221	0.0001164	0.0000261	-7.75
26	5.0	-41.3	-41.3	29.69	0	0.0	-28.8	0.0	0.0	0.0000110	-0.0001167	0.0002158	29.69
27	34.4	-21.4	-21.4	13.06	0	0.0	0.0	0.0	0.0	0.0001545	-0.0001167	0.0001330	13.06
28	0.7	-163.2	-163.2	18.72	0	0.0	0.0	0.0	0.0	0.0001154	-0.0005896	0.0005398	18.72
29	22.4	-136.0	-136.0	-4.43	0	0.0	0.0	0.0	0.0	0.0002582	-0.0005896	0.0001321	-4.43
30	7.4	-141.6	-141.6	-3.04	0	0.0	0.0	0.0	0.0	0.0002054	-0.0005971	0.0000856	-3.04
31	10.9	-145.3	-145.3	-9.29	0	0.0	0.0	0.0	0.0	0.0002052	-0.0005971	0.0002696	-9.29
32	37.1	-103.7	-103.7	29.72	0	0.0	0.0	0.0	0.0	0.0000968	-0.0002908	0.0006566	29.72
33	-7.0	-76.3	-76.3	-12.78	0	0.0	0.0	0.0	0.0	0.0000477	-0.0002908	0.0001620	-12.78
34	-33.7	-12.0	-12.0	43.85	0	0.0	0.0	0.0	0.0	-0.0000367	-0.000268	0.0002474	43.85
35	1.2	-11.9	-11.9	35.66	0	0.0	0.0	0.0	0.0	-0.0000043	-0.000268	0.0000666	35.66
36	0.0	0.0	0.0	16.19	0	0.0	0.0	0.0	0.0	0.0002368	-0.0036734	0.0024801	16.19
37	4.3	0.0	0.0	-2.62	0	0.0	1184.8	0.0	0.0	0.0000110	0.0007139	0.0001186	-2.62
38	16.9	-32.0	-32.0	35.36	0	0.0	58.4	0.0	0.0	0.0000216	-0.000658	0.0002500	35.36
39	29.2	-12.2	-12.2	18.03	0	0.0	0.0	0.0	0.0	0.0001154	-0.000658	0.0001319	18.03
40	-30.5	-214.3	-214.3	21.09	0	0.0	0.0	0.0	0.0	0.0000121	-0.0007260	0.0000686	21.09
41	1.7	-180.2	-180.2	-9.54	0	0.0	0.0	0.0	0.0	0.0002054	-0.0007260	0.0003221	-9.54
42	-69.1	-204.7	-204.7	-1.72	0	0.0	0.0	0.0	0.0	-0.0000327	-0.0007659	0.0000441	-1.72
43	-10.5	-218.9	-218.9	-20.07	0	0.0	0.0	0.0	0.0	0.0000968	-0.0007659	0.0007273	-20.07
44	-153.8	-25.3	-25.3	37.85	0	0.0	0.0	0.0	0.0	-0.00003285	-0.000756	0.0000924	37.85
45	-15.6	-22.9	-22.9	-3.99	0	0.0	0.0	0.0	0.0	-0.0000367	-0.000756	0.0000054	-3.99
46	0.0	0.0	0.0	7.79	0	0.0	0.0	0.0	0.0	0.0005009	-0.0056859	0.0017245	7.79
47	0.0	0.0	0.0	9.19	0	0.0	0.0	0.0	0.0	0.0002368	-0.0056859	0.0019682	9.19
48	0.0	0.0	0.0	9.93	0	0.0	0.0	0.0	0.0	0.0001294	-0.0050955	0.0018880	9.93
49	-0.1	0.0	0.0	5.04	0	0.0	1437.0	0.0	0.0	0.0000216	-0.008596	0.0003259	5.04
50	20.4	-21.5	-21.5	36.73	0	0.0	102.5	0.0	0.0	0.0000308	-0.0000339	0.00002179	36.73
51	8.9	-16.3	-16.3	-35.16	0	0.0	0.0	0.0	0.0	0.0000121	-0.0000339	0.0001285	-35.16
52	-59.7	-251.1	-251.1	11.80	0	0.0	0.0	0.0	0.0	0.0000218	-0.0009282	0.0004149	11.80
53	-34.2	-295.3	-295.3	-25.36	0	0.0	0.0	0.0	0.0	-0.0000327	-0.0009282	0.0010949	-25.36
54	-58.5	-360.3	-360.3	1.52	0	0.0	0.0	0.0	0.0	0.00009341	-0.0025893	0.0002080	1.52
55	0.0	0.0	0.0	-27.55	0	0.0	0.0	0.0	0.0	-0.00003285	-0.0025893	0.0032418	-27.55
56	0.0	0.0	0.0	-0.89	0	0.0	0.0	0.0	0.0	0.0004837	-0.0049714	0.0001400	-0.89
57	0.0	0.0	0.0	3.51	0	0.0	0.0	0.0	0.0	0.0005009	-0.0049714	0.0006744	3.51
58	0.0	0.0	0.0	8.03	0	0.0	0.0	0.0	0.0	0.0001327	-0.0055815	0.0016448	8.03
59	0.0	0.0	0.0	5.99	0	0.0	0.0	0.0	0.0	0.0001294	-0.0055815	0.0012120	5.99
60	0.0	0.0	0.0	7.48	0	0.0	0.0	0.0	0.0	0.0000313	-0.0055815	0.0015969	7.48
61	-10.1	0.0	0.0	14.86	0	0.0	1740.1	0.0	0.0	0.0000308	-0.0010071	0.0005527	14.86
62	13.6	-10.9	-10.9	-13.29	0	0.0	63.3	0.0	0.0	0.0000633	-0.000554	0.0000594	-13.29
63	31.1	-42.7	-42.7	-39.43	0	0.0	0.0	0.0	0.0	0.0000218	-0.000554	0.0003921	-39.43
64	-40.4	-253.7	-253.7	86.13	0	0.0	0.0	0.0	0.0	0.0001489	-0.0010068	0.0000008	86.13
65	-240.0	0.0	0.0	19.21	0	0.0	0.0	0.0	0.0	0.0009341	-0.0010068	0.0000289	19.21
66	-105.4	-375.6	-375.6	0.13	0	0.0	0.0	0.0	0.0	0.0002985	-0.0021383	0.0018939	0.13
67	0.0	0.0	0.0	15.14	0	0.0	0.0	0.0	0.0	-0.00004837	-0.0021383	0.0000074	15.14
68	0.0	0.0	0.0	5.47	0	0.0	0.0	0.0	0.0	0.0000785	-0.0044180	0.0002529	5.47
69	0.0	0.0	0.0	8.73	0	0.0	0.0	0.0	0.0	0.0001327	-0.0044180	0.0008790	8.73
70	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.00000348	-0.0055965	0.0001772	0.0





151	33.5	-117.5	6.76	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002737	0.0005198	0.0001907	6.76
152	35.8	-114.9	6.19	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002822	0.0005135	0.0001748	6.19
153	5.8	-122.5	-4.36	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0001731	0.0005135	0.0001054	-4.36
154	47.5	-29.3	-20.69	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0001826	0.0001294	0.0002749	-20.69
155	-2.5	-36.6	-19.11	0	-69.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0000155	0.0001294	0.00001141	-19.11
156	-1.5	28.7	27.30	0	40.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.0000077	0.0000870	0.0001333	27.30
157	12.3	0.4	-44.43	0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000192	0.000179	0.0000644	-44.43
158	-2.1	-19.7	-5.16	0	-65.5	0.0	0.0	0.0	0.0	0.0	0.0	0.000150	0.0000786	0.0000171	-5.16
159	20.7	-14.1	10.17	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000979	0.0000786	0.0000655	10.17
160	-1.3	-83.5	17.33	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000595	0.0003067	0.0002532	17.33
161	38.7	-74.3	16.82	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002027	0.0003067	0.0003390	16.82
162	15.3	-157.5	20.04	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0001506	0.0005655	0.0006026	20.04
163	31.4	-128.6	6.01	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002622	0.0005655	0.0001804	6.01
164	26.5	-136.6	7.13	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002674	0.0005887	0.0002176	7.13
165	4.5	-143.8	-8.10	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0001826	0.0005887	0.0002241	-8.10
166	-54.9	0.0	63.19	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002464	0.000487	0.0005965	63.19
167	19.6	-38.9	-41.29	1	105.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000077	0.000487	0.0003144	-41.29
168	-27.5	0.0	30.91	1	1176.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0000489	0.0006548	0.0007292	30.91
169	9.5	-0.4	-43.25	0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0000150	0.000117	0.0000538	-43.25
170	1.1	-12.4	-13.76	0	-41.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0000160	0.000489	0.0000338	-13.76
171	16.2	-12.5	23.89	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000595	0.000489	0.0001115	23.89
172	-0.9	-70.8	23.89	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0002311	0.0002740	23.89
173	43.2	-70.8	25.92	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0001506	0.0002311	0.0004857	25.92
174	7.0	-204.8	26.25	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000607	0.0006377	0.0009105	26.25
175	22.1	-149.1	5.26	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002674	0.0006377	0.0002008	5.26
176	16.9	-166.0	7.40	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002614	0.0006965	0.0002530	7.40
177	18.7	-173.0	-12.39	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002464	0.0006965	0.0004353	-12.39
178	-62.5	-36.6	-58.40	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002394	0.000423	0.0006620	-58.40
179	38.9	-36.6	-38.55	0	114.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0000489	0.000423	0.0003983	-38.55
180	-20.1	0.0	-26.50	1	1509.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000466	0.0008459	0.0007252	-26.50
181	6.8	0.2	-35.71	0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0000160	0.000046	0.0000338	-35.71
182	12.2	-6.4	-27.31	0	-17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000378	0.0000207	0.0000824	-27.31
183	12.6	-11.4	34.87	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.000207	0.0001217	34.87
184	3.5	-35.2	20.77	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000323	0.0001247	0.0001391	20.77
185	48.5	-70.4	35.63	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000607	0.0001247	0.0006167	35.63
186	-19.7	-174.5	34.98	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002055	0.0007239	0.0014211	34.98
187	16.0	-174.5	8.63	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002614	0.0007239	0.0003062	8.63
188	16.9	-200.9	8.41	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002963	0.0008329	0.0003415	8.41
189	15.2	-218.7	-16.07	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002394	0.0008329	0.0006739	-16.07
190	45.6	-48.3	-37.30	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000635	0.0000715	0.0004905	-37.30
191	23.3	-31.8	-33.35	0	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0000466	0.0000715	0.0002743	-33.35
192	-12.9	0.0	-21.97	1	1710.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0000317	0.0009761	0.0006275	-21.97
193	0.0	0.0	6.59	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000378	0.0006886	0.0015746	6.59
194	0.0	0.0	4.53	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000226	0.0005539	0.0008897	4.53
195	0.0	0.0	9.12	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000323	0.0005539	0.0018420	9.12
196	0.0	0.0	6.22	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0001046	0.0043732	0.0009884	6.22
197	0.0	0.0	16.24	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002055	0.0043732	0.0026533	16.24
198	0.0	0.0	2.05	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0005424	0.0021257	0.0001134	2.05
199	0.0	-376.2	19.07	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002963	0.0021257	0.0018897	19.07
200	-106.1	-236.3	86.03	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0009262	0.0009914	0.0000321	-106.1
201	-61.4	-256.8	-2.30	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000635	0.0009914	0.0000848	-61.4
202	31.9	-45.8	-41.77	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000025	0.000439	0.0004098	31.9
203	4.9	-9.1	2.15	0	90.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0000317	0.000439	0.0000057	2.15
204	-14.0	0.0	14.38	1	1684.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0000391	0.0009813	0.0006469	14.38
205	0.0	0.0	7.70	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000226	0.0009813	0.0016311	7.70
206	0.0	0.0	6.22	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0001186	0.0055290	0.0012450	6.22
207	0.0	0.0	8.36	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0001046	0.0055290	0.0016917	8.36
208	0.0	0.0	3.80	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0004735	0.0049169	0.0007189	3.80
209	0.0	0.0	-0.28	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0005424	0.0049169	0.0000429	-0.28
210	0.0	0.0	-27.89	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00003280	0.0025151	0.00032167	-27.89
211	-58.6	-361.2	1.11	-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0009262	0.0025151	0.0001438	1.11
212	-34.4	-293.0	-23.20	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000310	0.0009240	0.0010792	-23.20
213	-63.5	-252.4	12.56	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000025	0.0009240	0.0014344	12.56
214	8.5	-16.9	-36.49	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000079	0.0000324	0.0001315	-36.49
215	20.8	-18.5	35.19	0	106.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0000391	0.0000324	0.0002005	35.19
216	-0.1	0.0	4.89	1	1418.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0000211	0.0008509	0.0003227	4.89
217	0.0	0.0	10.10	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0001186	0.0050373	0.0018979	10.10
218	0.0	0.0	19.36	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002238	0.0056295	0.0019836	19.36
219	0.0	0.0	8.01	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0004735	0.0056295	0.0017517	8.01
220	-15.6	-22.9	-3.62	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000367	0.0000756	0.0000049	-3.62
221	-163.7	-25.3	37.86	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0003280	0.0000756	0.0009920	37.86
222	-10.6	-218.8	-20.05	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000967	0.0007659	0.0007265	-20.05
223	-68.7	-204.6	-1.75	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000310	0.0007659	0.0000451	-1.75
224	-1.6	-180.3	-9.50	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002053	0.0007266	0.0003207	-9.50
225	-31.1	-215.3	21.29	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000079	0.0007266	0.0006749	21.29
226	29.0	-11.9	18.22	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0001140	0.000642	0.0001316	18.22
227	1.4	-31.1	33.32	0	61.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0000211	0.000642	0.0002428	33.32
228	4.0	0.0	-2.68	1	1175.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0000110	0.0007093	0.0001237	4.0
229	0.0	0.0	16.30	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002238	0.0036199	0.0024574	16.30
230	1.2	-11.8	35.71	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000043	0.0000267	0.00000667	35.71





BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 5 FURTA PE DIR. DEPLAS. 3= -0.6051570E+04 DEPLAS. 8= -0.3918397E-01 CICLUL= 4 MODIF. IN ELEM. = 22

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 5 FORTA PE DIR. DEPLAS. 3= -0.6051570E+04 DEPLAS. 8= -0.4669128E-01 CICLUL= 5 MODIF. IN ELEM. = 24

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 5 FORTA PE DIR. DEPLAS. 3= -0.6051570E+04 DEPLAS. 8= -0.7651365E-01 CICLUL= 6 MODIF. IN ELEM. = 39

REDUCING BLOCK NO. : 1  
BACKSUBSTITUTING BLOCK NO. : 1

PASUL NR. 5 FURTA PE DIR. DEPLAS. 3= -0.6051570E+04 DEPLAS. 8= -0.3969605E+00 CICLUL= 7 MODIF. IN ELEM. = 102

REDUCING BLOCK NO. : 1  
WARNING : NEGATIVE DIAGONAL  
EQUATION NO. : 114 VALUE : -0.68716E-01  
BACKSUBSTITUTING BLOCK NO. : 1

## S-A ATINS DEPLASARFA MAXIMA ADMISA

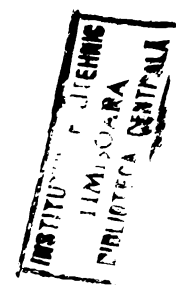
## INCARCAPI VARIABILE

NODUL	DIRECTIA-X	DIRECTIA-Y
3	0.0000000E+00	-0.2017130E+04
4	0.0000000E+00	-0.6051570E+04
5	0.0000000E+00	-0.2017130E+04
157	0.0000000E+00	0.2017130E+04
158	0.0000000E+00	0.6051570E+04
159	0.0000000E+00	0.2017130E+04

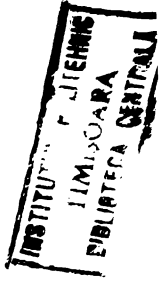
## DEPLASARILE

NODUL	DIRECTIA-X	DIRECTIA-Y
1	0.8150125E+03	0.1389915E+03
2	0.8150141E+03	0.4701772E+02
3	0.8150200E+03	-0.4497081E+02
4	0.8150227E+03	-0.3097154E+02
5	0.8150242E+03	-0.1369709E+03
6	0.8150244E+03	-0.2289679E+03
7	0.8150239E+03	-0.3209637E+03
8	0.7230309E+03	0.1389893E+03
9	0.7230294E+03	0.4702042E+02
10	0.7230312E+03	-0.4496682E+02
11	0.7230315E+03	-0.9096852E+02
12	0.7230303E+03	-0.1369711E+03
13	0.7230286E+03	-0.2289687E+03
14	0.7230280E+03	-0.3209639E+03
15	0.5850717E+03	0.1389771E+03
16	0.5850665E+03	0.4703101E+02
17	0.5850489E+03	-0.4496057E+02
18	0.5850441E+03	-0.9098157E+02
19	0.5850404E+03	-0.1369809E+03
20	0.5850370E+03	-0.2289720E+03
21	0.5850372E+03	-0.3209644E+03
22	0.5161743E+03	0.1389174E+03
23	0.5161730E+03	0.4706546E+02
24	0.5160118E+03	-0.4495366E+02
25	0.5160736E+03	-0.9100455E+02
26	0.5160415E+03	-0.1369947E+03
27	0.5160443E+03	-0.2289717E+03
28	0.9314878E+03	-0.5843741E+03
29	0.4705575E+03	<u>0.1388754E+03</u>

30	0.4705087E+03	0.4718209E+02
31	0.4704708E+03	-0.4531838E+02
32	0.4691703E+03	-0.9200988E+02
33	0.4700664E+03	-0.1369937E+03
34	0.1354729E+04	-0.9211564E+03
35	0.1736375E+04	-0.1167328E+04
36	0.4129659E+03	0.1388241E+03
37	0.4137047E+03	0.4727329E+02
38	0.4136954E+03	-0.4587830E+02
39	0.1019404E+04	-0.1232531E+04
40	0.1967987E+04	-0.7504754E+03
41	0.2672219E+04	-0.1914429E+04
42	0.2975917E+04	-0.2645808E+04
43	0.3574692E+03	0.1387775E+03
44	0.3554647E+03	0.4728224E+02
45	0.5990368E+04	0.5196774E+04
46	0.3913069E+04	0.2336054E+01
47	0.3913057E+04	-0.1044995E+04
48	0.3865729E+04	-0.3121799E+04
49	0.3866781E+04	-0.5170312E+04
50	0.1299419E+00	0.8447856E+05
51	0.2580526E+04	0.3108935E+04
52	0.2580573E+04	0.1031794E+04
53	0.2604010E+04	0.2352132E+01
54	0.2603673E+04	-0.1045236E+04
55	0.2583870E+04	-0.3120777E+04
56	0.2597696E+04	-0.5172023E+04
57	-0.1556090E+06	0.4964786E+06
58	0.2320876E+04	0.3108941E+04
59	0.2320822E+04	0.1031876E+04
60	0.2340585E+04	0.8534332E+00
61	0.2342265E+04	-0.1044830E+04
62	0.2326608E+04	-0.3120751E+04
63	0.2346324E+04	-0.5173288E+04
64	0.1541957E+04	0.5186300E+04
65	0.1541915E+04	0.3108941E+04
66	0.1541934E+04	0.1031849E+04
67	0.1566831E+04	0.3136641E+01
68	0.1560410E+04	-0.1044617E+04
69	0.1553939E+04	-0.3118559E+04
70	0.1597676E+04	-0.5174708E+04
71	0.7629148E+03	0.5186238E+04
72	0.7629047E+03	0.3108929E+04
73	0.7628783E+03	0.1031640E+04
74	0.7835663E+03	0.1540933E+01
75	0.7781076E+03	-0.1044406E+04
76	0.7852900E+03	-0.3114588E+04
77	0.9981779E+03	-0.5331118E+04



30	0.4705087E+03	0.4718209E+02
31	0.4704708E+03	-0.4531898E+02
32	0.4691703E+03	-0.9200988E+02
33	0.4700664E+03	-0.1369987E+03
34	0.1354729E+04	-0.9211564E+03
35	0.1736375E+04	-0.1167328E+04
36	0.4129659E+03	0.1388241E+03
37	0.4137047E+03	0.4727329E+02
38	0.4136954E+03	-0.4587890E+02
39	0.1019404E+04	-0.1232531E+04
40	0.1967987E+04	-0.7504754E+03
41	0.2672219E+04	-0.1914429E+04
42	0.2975917E+04	-0.2645808E+04
43	0.3574692E+03	0.1387775E+03
44	0.3554647E+03	0.4728224E+02
45	0.5990368E+04	0.5196774E+04
46	0.3913069E+04	0.2336054E+01
47	0.3913057E+04	-0.1044995E+04
48	0.3865729E+04	-0.3121799E+04
49	0.3866781E+04	-0.5170312E+04
50	0.1299419E+06	0.8447866E+05
51	0.2580526E+04	0.3108935E+04
52	0.2580573E+04	0.1031794E+04
53	0.2604010E+04	0.2352132E+01
54	0.2603673E+04	-0.1045236E+04
55	0.2583870E+04	-0.3120777E+04
56	0.2597696E+04	-0.5172023E+04
57	-0.1556090E+06	0.4964786E+06
58	0.2320876E+04	0.3108941E+04
59	0.2320822E+04	0.1031876E+04
60	0.2340585E+04	0.8534332E+00
61	0.2342265E+04	-0.1044830E+04
62	0.2326608E+04	-0.3120751E+04
63	0.2346324E+04	-0.5173288E+04
64	0.1541957E+04	0.5186300E+04
65	0.1541915E+04	0.3108941E+04
66	0.1541934E+04	0.1031849E+04
67	0.1566831E+04	0.3136641E+01
68	0.1560410E+04	-0.1044617E+04
69	0.1553939E+04	-0.3118559E+04
70	0.1597676E+04	-0.5174708E+04
71	0.7629148E+03	0.5186288E+04
72	0.7629847E+03	0.3108929E+04
73	0.7628783E+03	0.1031640E+04
74	0.7835663E+03	0.1540933E+01
75	0.7781076E+03	-0.1044406E+04
76	0.7852900E+03	-0.3114588E+04
77	0.0001770E+03	-0.5331118E+04



78	-0.1604068E+02	0.5186293E+04
79	-0.1599104E+02	0.3108909E+04
80	-0.1487391E+02	0.1032706E+04
81	-0.1363799E-07	-0.8081198E-08
82	0.5644177E+01	-0.1040464E+04
83	0.6079367E+01	-0.3115077E+04
84	0.1677274E+04	-0.6506675E+04
85	-0.7920967E+03	0.5181862E+04
86	-0.7934854E+03	0.3108781E+04
87	-0.7934443E+03	0.1032690E+04
88	-0.7755441E+03	0.2384230E+01
89	-0.7717222E+03	-0.1038804E+04
90	-0.7723952E+03	-0.3115137E+04
91	-0.9618763E+05	0.2290243E+06
92	-0.1572270E+04	0.5185005E+04
93	-0.1572022E+04	0.3108779E+04
94	-0.1571905E+04	0.1032767E+04
95	-0.1501954E+04	0.2662559E+02
96	-0.1548753E+04	-0.1037144E+04
97	-0.1546938E+04	-0.3117489E+04
98	-0.1198379E+06	0.1924022E+06
99	-0.2350444E+04	0.5184595E+04
100	-0.2350508E+04	0.3108791E+04
101	-0.2350529E+04	0.1032848E+04
102	-0.2283776E+04	0.2806270E+02
103	-0.2327625E+04	-0.1035196E+04
104	-0.2327818E+04	-0.3117508E+04
105	-0.2328036E+04	-0.5199738E+04
106	-0.3128890E+04	0.5184590E+04
107	-0.3128966E+04	0.3108795E+04
108	-0.3128980E+04	0.1032822E+04
109	-0.3084232E+04	0.1878381E+02
110	-0.3108589E+04	-0.1035821E+04
111	-0.3108549E+04	-0.3117500E+04
112	-0.1747351E+04	-0.7933937E+04
113	-0.3907320E+04	0.5184586E+04
114	-0.3907428E+04	0.3108803E+04
115	-0.3913063E+04	0.1033857E+04
116	-0.3899188E+04	-0.6765316E+01
117	-0.2416518E+07	0.3938292E+06
118	-0.4525544E+04	-0.1113958E+04
119	-0.4525582E+04	-0.1431084E+03
120	-0.3860109E+04	0.1640924E+04
121	-0.3778106E+04	0.4919007E+03
122	-0.3791017E+04	-0.1153677E+04
123	-0.3918913E+04	-0.2570551E+04
124	-0.3918915E+04	-0.2085067E+04
125	-0.3918814E+04	-0.1114028E+04

126	-0.3918829E+04	-0.1431100E+03
127	-0.3361804E+04	-0.1257766E+04
128	-0.3324636E+04	-0.2036161E+04
129	-0.3312023E+04	-0.3056009E+04
130	-0.3312028E+04	-0.2570538E+04
131	-0.3312026E+04	-0.2085051E+04
132	-0.3312000E+04	-0.1114047E+04
133	-0.3312004E+04	-0.1431026E+03
134	-0.2819660E+04	-0.3108893E+04
135	-0.2826538E+04	-0.4026971E+04
136	-0.2826539E+04	-0.3056009E+04
137	-0.2826538E+04	-0.2570530E+04
138	-0.2826536E+04	-0.2085042E+04
139	-0.2826531E+04	-0.1114055E+04
140	-0.2826531E+04	-0.1430949E+03
141	-0.2098311E+04	-0.4997939E+04
142	-0.2098311E+04	-0.4026971E+04
143	-0.2098310E+04	-0.3056005E+04
144	-0.2098309E+04	-0.2570521E+04
145	-0.2098307E+04	-0.2085036E+04
146	-0.2098305E+04	-0.1114058E+04
147	-0.2098306E+04	-0.1430931E+03
148	-0.6418561E+03	-0.4997939E+04
149	-0.6418555E+03	-0.4026969E+04
150	-0.6418542E+03	-0.3056000E+04
151	-0.6418533E+03	-0.2570514E+04
152	-0.6418522E+03	-0.2085030E+04
153	-0.6418525E+03	-0.1114059E+04
154	-0.6418524E+03	-0.1430917E+03
155	0.3291150E+03	-0.4997939E+04
156	0.3291153E+03	-0.4026968E+04
157	0.3291161E+03	-0.3055997E+04
158	0.3291165E+03	-0.2570510E+04
159	0.3291165E+03	-0.2085028E+04
160	0.3291161E+03	-0.1114059E+04
161	0.3291160E+03	-0.1430914E+03

REACTIUNI LA NODURI BLOCATE      DIRECTIA-Y  
 NODUL      DIRECTIA-X

81    0.3521200E+05      0.9164850E+05



E F O R T U R I L E I N B E T O N S I A R M A T U R A

NCR=0-NEFISURAT\*\*NCR=1-FISURI DIR.1\*\*NCR=2-FISURI DIR.1 INCHISE\*\*NCR=3-FISURI DIR.2\*\*NCR=4-FISURI DIR.2 INCHISE\*\*NCR=999-ZDRUBIT

ELEMENT NR.	BETON		ALFAE		NCR		ARMATURA		EXX		DEFORMATII		EXY		ALFAD	
	S1	S2	ALFAE	NCR	1	2	3	4	EXX	EXY	EXX	EXY	EXX	EXY	ALFAD	
1	-0.6	13.4	-42.52	0	32.2	0.0	0.0	0.0	0.0004120	0.0005531	0.0004120	0.0005531	0.0019302	0.0019302	-42.91	
2	5.6	-28.7	38.17	0	-24.7	0.0	0.0	0.0	-0.0003662	-0.0006752	-0.0003662	-0.0006752	0.0039520	0.0039520	42.76	
3	16.4	-29.3	-36.35	0	38.0	0.0	0.0	0.0	0.0014801	-0.0006752	0.0014801	-0.0006752	0.0009670	0.0009670	-12.08	
4	-5.0	-101.1	1.95	0	220.1	0.0	0.0	0.0	0.0004425	0.0009975	0.0004425	0.0009975	0.0003967	0.0003967	7.70	
5	14.3	-156.9	-31.78	0	-2.9	0.0	0.0	0.0	0.0013428	-0.0009975	0.0013428	-0.0009975	0.0032101	0.0032101	-26.95	
6	47.8	-164.7	-11.07	0	761.1	0.0	0.0	0.0	0.0001526	-0.0007801	0.0001526	-0.0007801	0.0030518	0.0030518	-36.50	
7	-11.0	-198.6	19.23	0	193.3	0.0	0.0	0.0	0.0007629	-0.0007801	0.0007629	-0.0007801	0.0018349	0.0018349	-24.97	
8	21.5	-82.4	-4.69	0	392.3	0.0	0.0	0.0	-0.0005798	0.0000458	-0.0005798	0.0000458	0.0028229	0.0028229	38.75	
9	2.5	-98.6	17.27	0	179.4	0.0	0.0	0.0	0.0000305	0.0000458	0.0000305	0.0000458	0.0007744	0.0007744	44.44	
10	12.8	-12.7	6.25	0	142.1	0.0	0.0	0.0	-0.0004425	0.0002022	-0.0004425	0.0002022	0.0004578	0.0004578	17.69	
11	1.7	-15.7	2.05	0	55.5	0.0	0.0	0.0	-0.0001068	0.0002022	-0.0001068	0.0002022	0.0000229	0.0000229	2.12	
12	5.2	-3.0	-32.75	0	26.0	0.0	0.0	0.0	0.0001373	0.0000534	0.0001373	0.0000534	0.0001526	0.0001526	-19.33	
13	3.1	25.0	-13.63	0	0.0	129.1	0.0	0.0	-0.0003662	0.0020428	-0.0003662	0.0020428	0.0009651	0.0009651	-10.92	
14	15.9	-49.0	36.74	0	0.0	-31.5	0.0	0.0	0.0001312	0.0017633	0.0001312	0.0017633	0.0073013	0.0073013	43.23	
15	19.9	-17.7	-1.73	0	0.0	0.0	0.0	0.0	0.0004425	-0.0017633	0.0004425	-0.0017633	0.0029850	0.0029850	-26.77	
16	36.4	-199.2	20.24	0	0.0	0.0	0.0	0.0	0.0043945	-0.0010262	0.0043945	-0.0010262	0.0008621	0.0008621	7.18	
17	44.8	-168.3	-10.00	0	0.0	0.0	0.0	0.0	0.0001526	0.0010262	0.0001526	0.0010262	0.0038013	0.0038013	-36.39	
18	-182.6	0.0	63.97	1	0.0	0.0	0.0	0.0	-0.0023804	0.0021915	-0.0023804	0.0021915	0.0012611	0.0012611	35.04	
19	13.9	-104.4	-2.86	0	0.0	0.0	0.0	0.0	0.0005798	0.0021915	0.0005798	0.0021915	0.0033951	0.0033951	25.39	
20	22.8	-97.2	-30.27	0	0.0	0.0	0.0	0.0	-0.0018616	0.0016384	-0.0018616	0.0016384	0.0012970	0.0012970	10.17	
21	-2.4	-66.4	7.09	0	0.0	0.0	0.0	0.0	0.0004425	0.0016384	0.0004425	0.0016384	0.0010719	0.0010719	13.63	
22	1.6	-29.6	-32.65	0	0.0	0.0	0.0	0.0	-0.0008545	0.0005608	-0.0008545	0.0005608	0.0008163	0.0008163	-14.99	
23	-1.6	-20.3	14.43	0	0.0	0.0	0.0	0.0	0.0001373	0.0005608	0.0001373	0.0005608	0.0002174	0.0002174	8.65	
24	1.2	-6.0	-34.94	0	0.0	0.0	0.0	0.0	0.0000458	0.0000839	0.0000458	0.0000839	0.0003738	0.0003738	-42.09	
25	-1.7	0.0	-9.92	1	0.0	299.3	0.0	0.0	-0.0013123	0.0199013	-0.0013123	0.0199013	0.0206985	0.0206985	22.15	
26	-21.1	32.8	-33.47	0	0.0	372.3	0.0	0.0	0.0003204	-0.0114841	0.0003204	-0.0114841	0.0015106	0.0015106	3.85	
27	-51.5	0.0	128.33	1	0.0	0.0	0.0	0.0	-0.0043545	0.0114841	-0.0043545	0.0114841	0.0034320	0.0034320	-39.01	
28	0.0	0.0	73.52	999	0.0	0.0	0.0	0.0	-0.0402832	-0.0023355	-0.0402832	-0.0023355	0.0075684	0.0075684	-5.64	
29	-64.4	-203.2	-3.64	-1	0.0	0.0	0.0	0.0	0.00308838	0.0076275	0.00308838	0.0076275	0.0018330	0.0018330	-44.30	
30	-402.4	0.0	50.02	1	0.0	0.0	0.0	0.0	-0.0018616	0.0076275	-0.0018616	0.0076275	0.00352783	0.00352783	-28.30	
31	-71.3	0.0	45.52	1	0.0	0.0	0.0	0.0	-0.0018616	0.0076275	-0.0018616	0.0076275	0.0094528	0.0094528	22.45	
32	-93.6	5.8	27.60	1	0.0	0.0	0.0	0.0	-0.0160522	0.0045929	-0.0160522	0.0045929	0.0045624	0.0045624	-6.23	
33	-6.1	13.2	36.54	0	0.0	0.0	0.0	0.0	0.0008545	0.0045929	0.0008545	0.0045929	0.0018501	0.0018501	-9.38	
34	-6.8	-11.5	-37.43	0	0.0	0.0	0.0	0.0	0.0007019	-0.0001144	0.0007019	-0.0001144	0.0033112	0.0033112	38.08	
35	-1.5	-7.6	19.22	0	0.0	0.0	0.0	0.0	0.0000458	-0.0001144	0.0000458	-0.0001144	0.003547668	0.003547668	-36.71	
36	0.0	-0.1	18.98	0	0.0	0.0	0.0	0.0	0.0000458	0.0001144	0.0000458	0.0001144	0.0005379	0.0005379	-42.75	
37	-8.4	0.0	-2.62	1	0.0	240.1	0.0	0.0	0.0003204	0.0209885	0.0003204	0.0209885	0.1521187	0.1521187	41.01	
38	-3.7	0.0	-8.75	1	0.0	1515.1	0.0	0.0	-0.0109558	-0.0583153	-0.0109558	-0.0583153	0.0911865	0.0911865	-31.28	
39	-16.5	0.0	113.12	1	0.0	0.0	0.0	0.0	-0.0402832	-0.0583153	-0.0402832	-0.0583153	0.1726446	0.1726446	-42.02	
40	-0.0	0.0	6481.54	999	0.0	0.0	0.0	0.0	0.0094681	0.1826611	0.0094681	0.1826611	0.3547668	0.3547668	30.78	
41	0.0	0.0	0.0	999	0.0	0.0	0.0	0.0	0.0308838	0.1826611	0.0308838	0.1826611	0.25499515	0.25499515	29.62	
42	0.0	0.0	46.47	1	0.0	0.0	0.0	0.0	-0.6502838	0.5026627	-0.6502838	0.5026627	0.1062317	0.1062317	-2.63	
43	-71.3	0.0	5.58	1	0.0	0.0	0.0	0.0	-0.0160522	0.5026627	-0.0160522	0.5026627	0.4565926	0.4565926	-20.68	
44	-63.7	0.0	-42.89	1	0.0	0.0	0.0	0.0	0.4480743	0.0019836	0.4480743	0.0019836	0.4931641	0.4931641	23.93	
45	-13.6	34.3	-35.36	0	0.0	0.0	0.0	0.0	0.0007019	0.0019836	0.0007019	0.0019836	0.0066986	0.0066986	39.58	
46	0.0	-0.1	15.76	0	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	39.26	
47	0.0	-0.1	13.34	0	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	32.26	
48	0.0	-0.1	14.29	0	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	33.55	
49	-47.3	0.0	5.04	1	0.0	2530.2	0.0	0.0	-0.0109558	0.0205002	-0.0109558	0.0205002	0.1113205	0.1113205	-37.11	
50	-189.8	0.0	43.42	1	0.0	1737.4	0.0	0.0	0.1847000	-0.0364819	0.1847000	-0.0364819	0.1661072	0.1661072	-18.45	
51	-165.3	0.0	-1.69	1	0.0	0.0	0.0	0.0	-0.0094681	-0.0364819	-0.0094681	-0.0364819	0.4036608	0.4036608	-43.09	
52	0.0	0.0	-96.58	999	0.0	0.0	0.0	0.0	-0.0023117	0.2239685	-0.0023117	0.2239685	0.5778961	0.5778961	34.31	
53	-1042.2	0.0	75.02	1	0.0	0.0	0.0	0.0	0.6502838	0.2239685	0.6502838	0.2239685	0.6352940	0.6352940	-20.16	
54	-1462.2	0.0	27.91	1	0.0	0.0	0.0	0.0	0.4480743	0.0019836	0.4480743	0.0019836	0.4931641	0.4931641	18.00	
55	0.0	0.0	-24.55	0	0.0	0.0	0.0	0.0	0.4480743	0.0019836	0.4480743	0.0019836	0.4931641	0.4931641	39.66	
56	0.0	-0.1	28.76	0	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	14.01	
57	0.0	-0.1	17.57	0	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	-28.71	
58	0.0	-0.1	17.33	0	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	44.13	
59	0.0	-0.1	11.71	0	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	37.43	
60	0.0	-0.1	12.56	0	0.0	0.0	0.0	0.0	95.4112854	0.0000458	95.4112854	0.0000458	0.0000458	0.0000458	31.42	
61	-336.0	0.0	14.86	1	0.0	-2842.0	0.0	0.0	75.9246216	0.0000458	75.9246216	0.0000458	0.0000458	0.0000458	26.39	
62	-1160.0	0.0	48.45	1	0.0	0.0	0.0	0.0	0.1847000	0.0186615	0.1847000	0.0186615	0.6890526	0.6890526	-38.23	
63	0.0	0.0	1.49	1	0.0	0.0	0.0	0.0	-0.5011292	-0.0035782	-0.5011292	-0.0035782	0.4221497	0.4221497	-20.16	
64	0.0	0.0	85.62	999	0.0	0.0	0.0	0.0	-0.0023117	0.0000458	-0.0023117	0.0000458	0.0000458	0.0000458	40.46	
65	-5813.9	0.0	124.66	3	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	-7.53	
66	0.0	0.0	71.42	33	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	-24.82	
67	0.0	-0.2	21.42	999	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	40.87	
68	0.0	-0.1	18.42	0	0.0	0.0	0.0	0.0	-0.0056152	0.0000458	-0.0056152	0.0000458	0.0000458	0.0000458	-21.71	
69	0.0	-0.1	18.42	0	0.0	0.0	0.0	0.0	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	0.0000458	-43.44	
70	0.0	-0.1	14.66	0	0.0	0.0	0.0	0.0	0.0000458	0.00						









RELATIA INCARCARE-DEPLASARE LA NOD 8

PASUL	INCARCAREA	DEPLASAREA	CICLURI
0	-0.33515696E+04-0.	11927083E-01	1
1	-0.53515698E+04-0.	21509111E-01	7
2	-0.58515698E+04-0.	24338946E-01	14
3	-0.59515698E+04-0.	25074242E-01	6
4	-0.60515698E+04-0.	90971642E+02	8
			-----
			36

END OF SOLVING : FORMA S VARIANTA 9

SOLUTION FROM 07:25:33 ON 21-AUG-90 TO 10:40:56 ON 21-AUG-90