Skilogwin 290

FORTRAN

- T-linan

R. 29/6 65

```
ENTER SOURCE PROGRAM, PUSH START
Ø8ØØØ      1 ACCEPT 8,A,B,C
Ø8Ø48      8 FORMAT(3F1Ø.6)
Ø8Ø8Ø        D=B**2-4.*A*C
Ø8188        IF(D)11,12,13
Ø8244     11 PRINT 14
Ø8268     14 FORMAT(/14HINGEN REEL ROD)
Ø8326        GO TO 15
Ø8334     12 X1=-B/(2.*A)
Ø8394        PRINT 16,X1
Ø8418     16 FORMAT(/15HDOBBELT ROD X =,F1Ø.4)
Ø8482        GO TO 15
Ø849Ø     13 S=SQRT(D)
Ø8514        IF(B)17,17,18
Ø857Ø     17 X1=(-B+S)/(2.*A)
Ø8666        GO TO 19
Ø8674     18 X1=(-B-S)/(2.*A)
Ø877Ø     19 X2=C/(X1*A)
Ø8818        PRINT 2Ø,X1,X2
Ø8854     2Ø FORMAT(/5HX1   =,F1Ø.4,8H    X2   =,F1Ø.4)
Ø8926     15 PAUSE
Ø8938        GO TO 1
Ø8946        END
PROG SW 1 ONFOR SYMBOL TABLE, PUSH START
59859 ØØØ1
59849 ØØØ8
59839 ØØØ8
59829 A
59819 B
59809 C
59799 D
59789 ØØØ2
59779 ØØØ
59769 4ØØØØØØØØ1
59759 Ø1
59749 Ø11
59739 Ø12
59729 Ø13
59719 Ø14
59709 Ø14
59699 Ø15
59689 X1
59679 2ØØØØØØØ1
59669 Ø16
59659 Ø16
59649 S
59639 Ø17
59629 Ø18
59619 Ø3
59609 Ø19
59599 X2
59589 Ø2Ø
59579 Ø2Ø

SW 1 OFF TO IGNORE SUBROUTINES, PUSH START

PROCESSING COMPLETE31ØØØ3ØØØØ2RS
ENTER SUBROUTINES, PUSH START
162Ø FORTRAN SUBR. AUTO DIV  9/3Ø/61
ENTER DATA
   1Ø1.465    -7.3849    -2768.ØRS

X1  =     5.2595    X2  =    -5.1867
```

```
16ØØØ1ØØØØØØRS



ENTER SOURCE PROGRAM
THEN PUSH START
      DIMENSION B(4ØØ),A(4ØØ)
      READ 1ØØ,L
  1ØØ FORMAT (I4)
      DO 2 I=1,L
    2 READ 1Ø1,B(I),A(I)
  1Ø1 FORMAT(6X,F6.Ø,3X,F6.3)
      SUM=Ø.
      DO11I=1,L
    1 SUM=SUM+A(I)
      PRINT 1Ø2,SUM
  1Ø2 FORMAT(F1Ø.3)
      SUM1=Ø.
      DO5J=2,L
      LL=L+2-J
      CJ=J
      DO4K=2,LL
      IF(A(LL)-A(K-1))3,4,4
    3 T=A(LL)
      A(LL)=A(K-1)
      A(K-1)=T
      T=B(LL)
      B(LL)=B(K-1)
      B(K-1)=T
    4 CONTINUE
      SUM1=SUM1+A(LL)
      X=(SUM1-A(LL)*(CJ-1.))*1ØØ./SUM
    5 PRINT1Ø3,B(LL),X
      CL=L
      SUM1=SUM1+A(1)
      X=(SUM1-A(1)*CL)*1ØØ./SUM
      PRINT 1Ø3,B(1),X
  1Ø3 FORMAT(F8.Ø,F1Ø.5)
      STOP
      END

OBJECT PROGRAM DATA TABLE
Ø839Ø STORAGE POSITIONS

PROCESSING COMPLETE
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 2.2.8Ø2  LOAD AND GO - FORTRAN  9/62

PROG SW 1 ONFOR SYMBOL TABLE, PUSH START
ENTER SUBROUTINES, PUSH START
162Ø FORTRAN SUBR. AUTO DIV  9/3Ø/61
ENTER DATA
  5354.494
 17Ø561.    -.ØØØØØ
 12Ø561.     .ØØ644
 13Ø561.     .Ø4517
 16Ø561.     .11297
 14Ø561.     .13874
 18Ø561.     .2Ø336
 2ØØ561.     .2Ø336
 11Ø561.     .33879
 12Ø96Ø.     .33879
 13Ø96Ø.     .33879
 14Ø96Ø.     .33879
 15Ø561.     .4Ø987
 11Ø96Ø.     .56474
 21Ø561.     .56474
 19Ø561.     .6552Ø
 15Ø96Ø.     .75185
 1ØØ96Ø.     .75185
 3ØØ861.     .75185
 26Ø761.     .75185
 25Ø761.     .87462
 27Ø761.     .87462
  1Ø861.     .87462
 24Ø861.    1.Ø1679
  1Ø96Ø.    1.Ø1679
  2Ø96Ø.    1.Ø1679
  9Ø96Ø.    1.Ø1679
 28Ø761.    1.Ø1679
 3ØØ761.    1.Ø1679
 31Ø761.    1.Ø1679
 23Ø261.    1.Ø1679
 16Ø96Ø.    1.21ØØ8
 31Ø861.    1.21ØØ8
  3Ø96Ø.    1.21ØØ8
 29Ø761.    1.21ØØ8
 22Ø261.    1.21ØØ8
```

200861.	1.37938
40960.	1.37938
270461.	1.37938
270861.	1.56390
50960.	1.56390
80960.	1.56390
20861.	1.56390
240761.	1.76705
230761.	1.76705
220561.	1.76705
290861.	1.98472
190861.	1.98472
300461.	1.98472
170960.	1.98472
280861.	1.98472
70960.	2.22657
250461.	2.22657
230861.	2.22657
170861.	2.22657
220861.	2.22657
250861.	2.22657
220761.	2.22657
60960.	2.22657
190960.	2.60136
70561.	2.60136
210761.	2.60136
210861.	2.60136
240261.	2.60136
180861.	2.60136
180960.	2.60136
10561.	3.02017
20561.	3.02017
60561.	3.02017
240461.	3.02017
160861.	3.02017
260461.	3.02017
30861.	3.02017
260861.	3.02017
110861.	3.49188
200960.	3.49188
150861.	3.49188
290461.	3.49188
50861.	3.49188
40861.	3.49188
200761.	3.49188
190761.	3.87885
150761.	4.27065
210960.	4.27065
120861.	4.27065
30561.	4.27065
100861.	4.27065

140861.	4.27065
230461.	4.69310
140761.	4.69310
130861.	5.12360
60861.	5.55893
180761.	5.55893
90861.	5.55893
160761.	5.55893
130761.	5.55893
170761.	6.17281
70861.	6.17281
220960.	6.64200
80861.	6.64200
230561.	6.64200
120761.	7.12571
80561.	7.61425
50561.	7.61425
280461.	7.61425
230960.	8.11731
100561.	8.11731
40561.	8.63202
110761.	8.63202
100761.	9.67682
240960.	9.67682
90761.	10.20890
80761.	10.74581
60761.	10.74581
70761.	11.29451
220461.	11.84593
250261.	12.40219
310561.	12.96329
250960.	12.96329
300561.	13.53407
240561.	13.53407
10661.	13.53407
30661.	14.12161
90561.	14.71173
260960.	14.71173
20661.	15.31153
270960.	15.71539
300960.	15.71539
290561.	16.12572
290960.	16.12572
11060.	16.12572
180661.	16.12572
280960.	16.75938
21060.	16.75938
40661.	17.40270
30761.	17.40270
31060.	18.05571
41060.	18.05571

70661.	18.05571
20761.	18.72322
50761.	18.72322
60661.	19.40302
50661.	19.40302
230661.	19.40302
51060.	19.40302
40761.	19.40302
250661.	19.40302
240661.	19.40302
190661.	19.40302
170661.	20.11891
220661.	20.60032
61060.	20.60032
80661.	20.60032
250561.	21.08858
71060.	21.08858
260661.	21.08858
110661.	21.58937
210461.	21.58937
81060.	21.58937
91060.	21.58937
100661.	21.58937
210661.	21.58937
280561.	21.58937
160661.	21.58937
150661.	22.37781
270661.	22.37781
200661.	22.37781
101060.	22.37781
10761.	23.18872
111060.	23.18872
121060.	24.00618
120661.	24.00618
90661.	24.00618
140661.	24.00618
280661.	24.00618
191060.	24.84783
201060.	24.84783
151160.	24.84783
270561.	24.84783
260561.	24.84783
130661.	24.84783
181060.	24.84783
131060.	25.43263
211060.	25.43263
171060.	25.43263
161160.	25.43263
141160.	26.03035
290661.	26.03035

221060.	26.03035
161060.	26.03035
151060.	26.03035
141060.	26.03035
300661.	26.03035
260261.	26.64711
171160.	26.64711
231060.	27.27391
131160.	27.27391
181160.	27.27391
270261.	27.91040
20361.	28.55013
10361.	28.55013
280261.	28.55013
100361.	28.55013
241060.	28.55013
121160.	28.55013
191160.	28.55013
40361.	29.21247
30361.	29.21247
220361.	29.21247
90361.	29.21247
80361.	29.21247
70361.	29.21247
60361.	29.21247
50361.	29.21247
110361.	30.24276
111160.	30.24276
201160.	30.24276
111260.	30.24276
101160.	30.94387
200461.	30.94387
251060.	30.94387
31160.	30.94387
41160.	30.94387
211160.	30.94387
51160.	30.94387
121260.	30.94387
11160.	31.66663
21160.	31.66663
120361.	31.66663
261060.	31.66663
271060.	31.66663
91160.	31.66663
281060.	31.66663
291060.	31.66663
221160.	31.66663
301060.	31.66663
311060.	31.66663
61160.	32.42913
231160.	32.42913

241160.	32.42913
81160.	32.42913
230361.	32.42913
131260.	32.42913
141260.	32.42913
71160.	33.21424
130361.	33.21424
251160.	34.00582
151260.	34.00582
210361.	34.80386
140361.	34.80386
261160.	34.80386
210261.	34.80386
271160.	36.42110
240361.	36.42110
150361.	36.42110
101260.	37.24176
190461.	37.24176
170461.	38.06888
160361.	38.06888
160461.	38.06888
11260.	38.06888
281160.	38.06888
180461.	38.06888
250361.	38.91538
140161.	38.91538
150461.	38.91538
91260.	38.91538
291160.	38.91538
301160.	38.91538
200361.	38.91538

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FORTRAN CODING FORM

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Program _____
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Date _____
Page _____ of _____

C FOR COMMENT

STATEMENT NUMBER 1 5	Cont. 6	FORTRAN STATEMENT 7 10 15 20 25 30 35 40 45 50 55 60 65 70 72