

Resolução de sistemas de duas equações algébricas a duas incógnitas

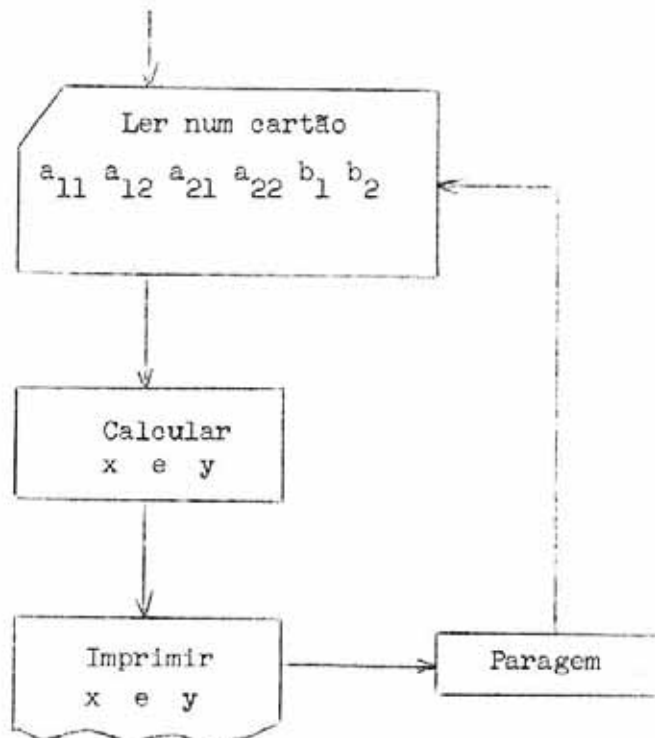
$$\begin{cases} a_{11}x + a_{12}y = b_1 \\ a_{21}x + a_{22}y = b_2 \end{cases}$$

Método de Cálculo:

$$x = \frac{b_1 a_{22} - b_2 a_{12}}{a_{11} a_{22} - a_{12} a_{21}}$$

$$y = \frac{b_2 a_{11} - b_1 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$$

Diagrama:



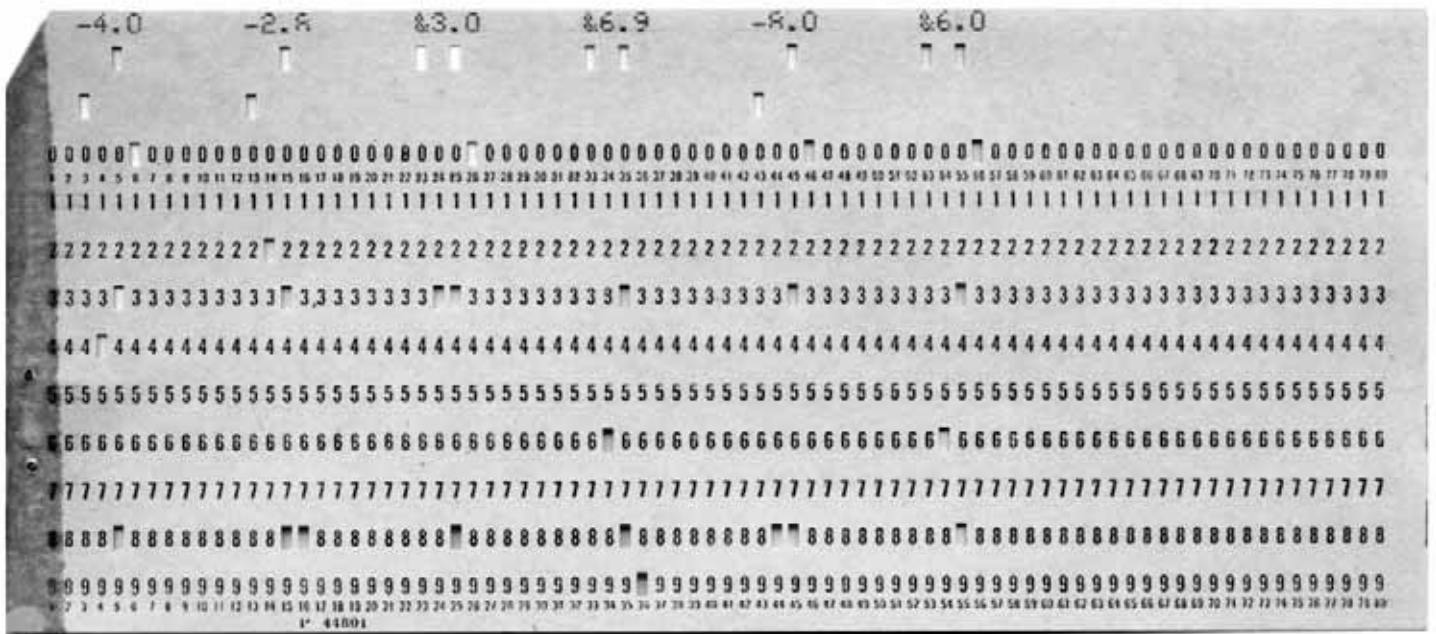
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08000 C      11-11-1964
08000 C      SISTEMAS DE DUAS EQUACOES A DUAS INCOGNITAS
08000 C
08000      DIMENSIONA(2,2),D(2)
08000      3 READ1,A(1,1),A(1,2),A(2,1),A(2,2),B(1),B(2)
08084      1 FORMAT(F10.5,F10.5,F10.5,F10.5,F10.5,F10.5)
08132      D=A(1,1)*A(2,2)-A(1,2)*A(2,1)
08240      X=(A(2,2)*B(1)-A(1,2)*B(2))/D
08360      Y=(A(1,1)*B(2)-A(2,1)*B(1))/D
08480      PRINT2,X,Y
08516      2 FORMAT(2HX=,E14.8/2HY=,E14.8)
08570      PAUSE
08582      GOTO3
08590      END
    
```

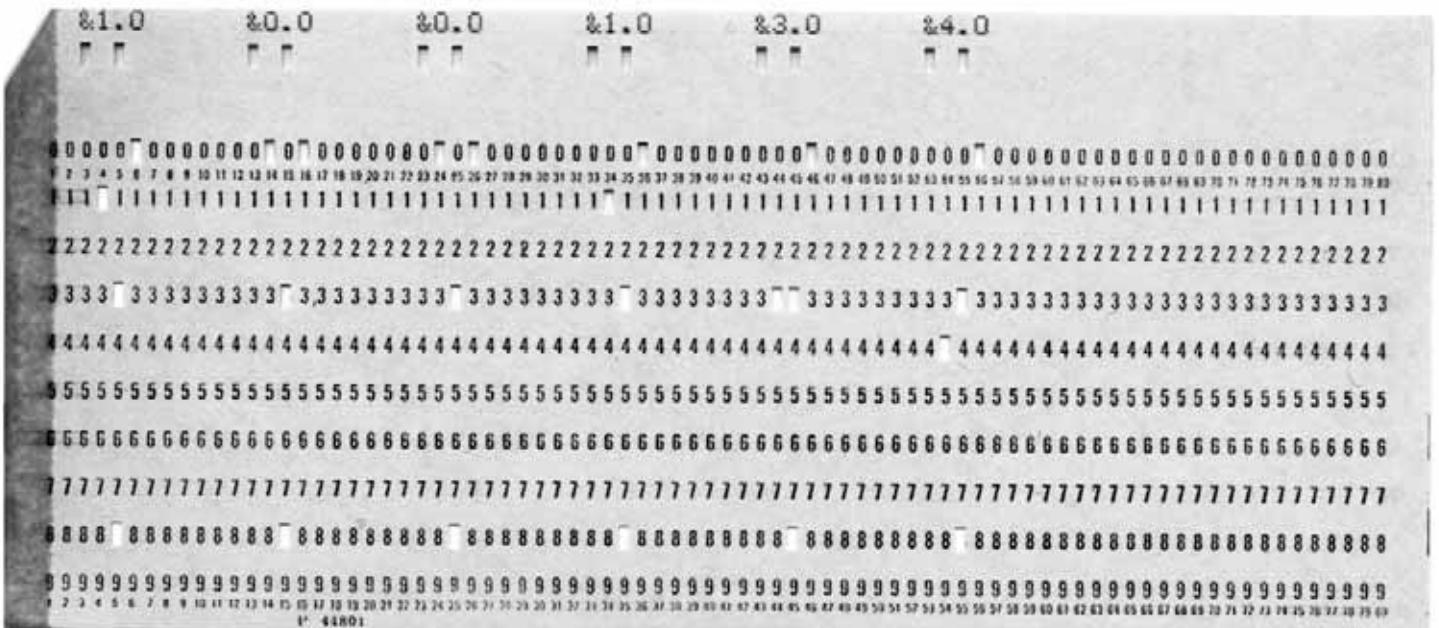
PROG SW 1 ONFOR SYMBOL TABLE, PUSH START

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39999 SIN
39989 SINF
39979 COS
39969 COSF
39959 ATAN
39949 ATANF
39939 EXP
39929 EXPF
39919 LOG
39909 LOGF
39899 SQRT
39889 SQRTF
39879 A      39849
39839 B      39829
39819 D003
39809 D001
39799 D001
39789 D
39779 D00
39769 D01
39759 X
39749 D02
39739 Y
39729 D002
39719 D002
    
```



X=+.20000000E+01  
 Y=-.00000000E-99



X=+.30000000E+01  
 Y=+.40000000E+01