

```

:[A]→[B]
:dim [A]→L1
:L1(1)→L
:L1(2)→C
:-1→W
:
:Lb1 0
:W+1→W
:[A]→[E]
:ClrHome
:Output(1,1,"TABLEAU"
:Output(1,9,W
:Pause
:Pause [A]►Frac
:ClrList L1
:For(Z,1,C-1
:[A](L,Z)→L1(Z)
:End
:For(Z,1,C-1
:If [A](L,Z)=max(L1)
:Goto 1
:End
:
:Lb1 1
:Disp "PIVOT ROW NUMBER",Z
:Pause
:
:ClrList L1
:For(θ,1,L-1
:If [A](θ,Z)≠0
:Then
:[A](θ,C)/[A](θ,Z)→L1(θ)
:Else
:10^99→L1(θ)
:End
:End
:
:Disp "CONSTRAINTS VAL",L1
:Pause
:
:For(θ,1,dim L1
:If L1(θ)≤0
:10^99→L1(θ)
:End
:
:0→θ
:0→N
:ClrList L2
:For(Y,1,L-1
:If [A](Y,Z)≠0
:Then
:If [A](Y,C)/[A](Y,Z)=min(L1)
:Then
:Y→θ
:N+1→N
:[A](Y,Z)→L2(N)
:End
:End
:End
:
:If N>1
:Then
:For(Y,1,L-1
:If [A](Y,Z)≠0
:Then
:If [A](Y,C)/[A](Y,Z)=min(L1)
:Then
:If [A](Y,Z)=max(L2)
:θ=Y

```

```

:End
:End
:End
:End
:
:Lb1 2
:Disp "PIVOT LINE",0
:Pause
:
:For(Y,1,L
:For(X,1,C
:If Y=0 and X=Z
:1/[E](0,Z)→[A](Y,X)
:If Y=0 and X≠Z
:[E](0,X)/[E](0,Z)→[A](Y,X)
:If Y≠0 and X=Z
:-[E](Y,Z)/[E](0,Z)→[A](Y,X)
:If Y≠0 and X≠Z
:[E](Y,X)-([E](0,X)*[E](Y,Z))/[E](0,Z)→[A](Y,X)
:End
:End
:
:For(T,1,C-1
:If [A](L,T)>0
:Goto 0
:End
:
:Lb1 Z
:ClrHome
:Output(1,1,"FINAL TABLEAU"
:Pause
:Pause [A]►Frac
:Disp "MAXIMIZATION",-[A](L,C)►Frac
:Pause
:For(T,1,L-1
:ClrHome
:Output(1,1,"VAR LINE"
:Output(1,10,T
:Output(2,1,[A](T,C))
:Pause
:End
:ClrHome

```