

## Texas Instruments

Programme min.  
(à distribuer pour étude)

```
PROGRAM:MIN
:Prompt A
:Prompt B
:If A<B
:Then
:Disp "A"
:Else
:Disp "B"
:End
```

Programme mini.  
(amélioration du précédent)

```
PROGRAM:MINI
:Prompt A
:Prompt B
:If A<B
:Then
:Disp "A"
:Else
:If A>B
:Then
:Disp "B"
:Else
:Disp "A=B"
:End
:End
```

Convertisseur d'unités de vitesse.  
(à faire programmer)

```
PROGRAM:CONVERT
:Disp "DONNER U
EN KM/H"
:Prompt U
:Disp "U EN M/S:
"
:Disp U/3.6
```

Convertisseur plus évolué

```
PROGRAM:CONVERT2
:Disp "1- KM/H -
> M/S", "2- M/S -
> KM/H"
:Input "REPONSE:
",R
:If R=1
:Then
:Input "U EN KM/
H : ",U
:Disp "U EN M/S:
",U/3.6
:Else
:Input "U EN M/S
: ",U
:Disp "U EN KM/H
: ",U*3.6
:End
```

Code (3 essais maxi)

```
PROGRAM:DAB
:For(1,1,3)
:Input "CODE :",
C
:If C=2718
:Then
:Disp "BIENVENUE
"
:Stop
:End
:End
:Disp "ACCES REF
USE"
```

## Casio

Programme min.  
(à distribuer pour étude)

```
=====MIN =====
"A"?→A↵
"B"?→B↵
If A<B↵
Then "A"↵
Else "B"↵
IfEnd
|TOP|BTM|SRC|MENU|A↵3|CHAR
```

Programme mini.  
(amélioration du précédent)

```
=====MINI =====
"A"?→A↵
"B"?→B↵
If A<B↵
Then "A"↵
Else If A>B↵
Then "B"↵
Else "A=B"↵
IfEnd↵
IfEnd
|TOP|BTM|SRC|MENU|A↵3|CHAR
```

Convertisseur d'unités de vitesse.  
(à faire programmer)

```
=====CONVERT =====
"DONNER U EN KM.H-1"↵
"U"?→U↵
"U EN M.S-1"↵
U÷3.6
```

|TOP|BTM|SRC|MENU|A↵3|CHAR

Convertisseur plus évolué

```
=====CONVERT2=====
"1- KM.H-1 → M.S-1"↵
"2- M.S-1 → KM.H-1"↵
"REPONSE:"?→R↵
If R=1↵
Then "U EN KM.H-1 : "?↵
U↵
"U EN M.S-1"↵
U÷3.6↵
Else "U EN M.S-1 : "?↵U
↵
U×3.6↵
IfEnd↵
|TOP|BTM|SRC|MENU|A↵3|CHAR
```

Code (3 essais maxi)

```
=====DAB =====
For 1→I To 3↵
"CODE"?→C↵
If C=2718↵
Then "BIENVENUE"↵
Stop↵
IfEnd↵
Next↵
"ACCES REFUSE"
|TOP|BTM|SRC|MENU|A↵3|CHAR
```

## Texas Instruments

### Equation de droites

(attention il reste un bug...à trouver!)

```
PROGRAM: EQUAD
:Disp "A(XA, YA)"

:Input "XA=", R
:Input "YA=", S
:Disp "B(XB, YB)"

:Input "XB=", T
:Input "YB=", U
:If R=T
:Then
:Disp "EQ X=C AV
EC", "C=", R
:Else
:Disp "EQ Y=AX+B"
:
:(U-S)/(T-R)→A
:Disp "A=", A
:Disp "B=", S-A*R

:End
```

### Résolution de système 2x2

```
PROGRAM: SYST22
:Disp "AX+BY=C"
:Prompt A
:Prompt B
:Prompt C
:Disp "DX+EY=F"
:Prompt D
:Prompt E
:Prompt F
:A*E-B*D→Z
:If Z=0
:Then
:Disp "PAS DE SO
L OU", "INFINITE
DE SOL"
:Else
:Disp "SOL UNIQU
E"
:Disp "X=", (C*E-
B*F)/Z
:Disp "Y=", (A*F-
D*C)/Z
:End
```

### Le lièvre et la tortue (une partie)

```
PROGRAM: LIEVT
:0→C
:0→L
:0→T
:While L+T=0
:1+int(6*rand)→D

:Disp "DE:"
:Pause D
:If D=6
:Then
:1→L
:Pause "LIEVRE G
AGNE"
:Else
:C+1→C
:Disp "TORTUE CA
SE"
:Pause C
:If C=5
:Then
:1→T
:Disp "TORTUE GA
GNE"
:End
:End
:End
```

## Casio

### Equation de droites

(attention il reste un bug...à trouver!)

```
=====EQUAD =====
" A(XA, YA)"
"XA"→R
"YA"→S
" B(XB, YB)"
"XB"→T
"YB"→U
If R=T
Then "EQ X=C AVEC C="
R
Else "EQ Y=AX+B"
(U-S)/(T-R)→A
"A"
A
"B"
S-A*R
IfEnd
|TOP|BTM|SRC|MENU|A↔B|CHAR|
```

### Résolution de système 2x2

```
=====SYS22 =====
"AX+BY=C"
"A"→A
"B"→B
"C"→C
"DX+EY=F"
"D"→D
"E"→E
"F"→F
A×E-B×D→Z
If Z=0
Then "PAS DE SOL OU"
"INFINITE DE SOL"
Else "SOL UNIQUE"
"X="
(C×E-B×F)÷Z
"Y="
(A×F-D×C)÷Z
IfEnd
|TOP|BTM|SRC|MENU|A↔B|CHAR|
```

### Le lièvre et la tortue (une partie)

```
=====LIEVT =====
0→C
0→L
0→T
:While L+T=0
1+Int (6Ran# )→D
"DE:"
D
If D=6
Then 1→L
"LIEVRE GAGNE"
Else C+1→C
"TORTUE CASE"
C
If C=5
Then 1→T
"TORTUE GAGNE"
IfEnd
IfEnd
WhileEnd
|TOP|BTM|SRC|MENU|A↔B|CHAR|
```

## Texas Instruments

Le lièvre et la tortue (100 parties)

```
PROGRAM:LIEVTO
:0→L
:0→T
:ClrHome
:For(I,1,100)
:0→C
:While C<5
:1+int(6rand)→D
:If D=6
:Then
:L+1→L
:6→C
:Else
:C+1→C
:End
:If C=5
:Then
:T+1→T
:End
:Output(3,5,"TOR
TUE")
:Output(5,5,"LIE
VRE")
:Output(3,12,T)
:Output(5,12,L)
:End
:End
```

## Casio

Le lièvre et la tortue (100 parties)

```
=====LIEVTO =====
0→L⇐
0→T⇐
ClrText⇐
For 1→I To 100⇐
0→C⇐
While C<5⇐
1+int (6Ran# )→D⇐
If D=6⇐
Then L+1→L⇐
6→C⇐
Else C+1→C⇐
IfEnd⇐
If C=5⇐
Then T+1→T⇐
IfEnd⇐
Locate 8,3,"TORTUE"⇐
Locate 8,5,"LIEURE"⇐
Locate 15,3,T⇐
Locate 15,5,L⇐
WhileEnd⇐
Next
|TOP|BTM|FRC|MENU|A↔B|CHAR
```