

calculatoritems

Insert items (or simple keys)
of classic calculators.

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Cédric Pierquet

cpierquet - at - outlook . fr

<https://forge.apps.education.fr/pierquetcedric/packages-latex>

Classic calculators items or menus:

35+E:

```
\CalcItemMenu[model=35+,font=\fontCASIOA]{GRAPH}
```

90+E:

```
\CalcItemMenu[model=90+,type=bmenu,font=\fontCASIOB]{MAT}
```

MATH+:

```
\CalcItemMenu[model=math+,font=\fontCASIOB,rightsymb=>]{arithmetic}
```

NWK :

```
\CalcItemMenu[model=nwks,type=bmenu,rightsymb=\nwkstrik, len=12,font\fontNWKS]{X predict}
```






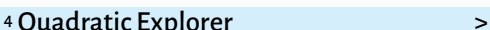
TI:

```
\CalcItemMenu[model=ti,type=itemsel,font=\small\fontTI]{6$fmin{}}
```

HP Prime:

```
\CalcItemMenu[model=hp,type=itemsel,font=\small\fontHP,rightsymb=>]{4$Quadratic  
Explorer}
```

Classic calculators items or menus :

- 35+E : 
- 90+E : 
- MATH+ : 
- NWK : 
- TI : 
- HP : 

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1 History & Future

- 0.1.1: Simple keys command + macros for "fontkeys" (with external files)
- 0.1.0: Initial version

2 Introduction

2.1 Loading, useful packages

In order to load `calculatoritems`, simply use:

```
\usepackage{calculatoritems}
```

Loaded packages are `xstring`, `calc`, `simplekv`, `tcolorbox` and `circledtext`.

Loaded libraries are `calc` and `skins`.

If `amssymb` doesn't need to be loaded (useful for int. macro), just add `[noamssymb]` to the loading.

```
%w/o amssymb loading  
\usepackage[noamssymb]{calculatoritems}
```

2.2 Fonts

The package define shortcuts for fonts, depending on the engine, an option `[xelua]` can be used.

```
%normal loading, for classic engines (pdflatex/latex)  
\usepackage{calculatoritems}
```

```
%special loading, for recent engines (xelatex/lualatex) with font config  
\usepackage[xelua]{calculatoritems}
```

Available fonts are given by followings macros (best fonts are teletype).

```
%normal loading, for classic engines (pdflatex/latex)  
\newcommand\fontNWKS\fontencoding{T1}\fontfamily{SourceCodePro-TLF}\selectfont} %nwks  
\newcommand\fontCASIOA{%  
  \fontencoding{T1}\fontfamily{AnonymousPro}\fontseries{sb}\selectfont %casio35  
}  
\newcommand\fontCASIOB{%  
  \fontencoding{T1}\fontfamily{AlegreyaSans-TLF}\fontseries{sb}\selectfont %casio90 & math+  
}  
\newcommand\fontTI{%  
  \fontencoding{T1}\fontfamily{AnonymousPro}\fontseries{sb}\selectfont %ti  
}  
\newcommand\fontHP{%  
  \fontencoding{T1}\fontfamily{AlegreyaSans-TLF}\fontseries{sb}\selectfont %hp  
}  
\newcommand\fontKEY{%  
  \fontencoding{T1}\fontfamily{SourceCodePro-TLF}\fontseries{sb}\selectfont %global keys  
}
```

```
%special loading, for recent engines (xelatex/lualatex) with fontspec  
\newfontfamily\fontNWKS{SourceCodePro-Medium}[Scale=MatchLowercase] %numworks  
\newfontfamily\fontCASIOA{AnonymousPro}[Scale=MatchLowercase] %casio35  
\newfontfamily\fontCASIOB{AlegreyaSans}[Scale=MatchLowercase] %casio90 & math+  
\newfontfamily\fontTI{AnonymousPro}[Scale=MatchLowercase] %ti  
\newfontfamily\fontHP{AlegreyaSans}[Scale=MatchLowercase] %casio90 & math+  
\newfontfamily\fontKEY{Inconsolatazi4}[Scale=MatchLowercase] %global keys
```

2.3 Special macros

Special macros are available, to match with some custom *symbols*.

```
\nwkstri \qqquad \tidots \qquad \casiodots
```

2.4 With LUA, and external fonts

With `[xelua]` option, `listofitems` and `fontspec` are loaded.
Specific fonts (and macros) are defined with `*.ttf` files.

```
\fontkeyNWKS %numworks (with numworks-keys-regular.ttf and numworks-keys-bold.ttf)  
\fontkeyCASIOfx %casio fx (with CFX06.ttf)  
\fontkeyCASIOcw %casio cw (with CASIO ClassWiz CW02.ttf)  
\fontkeyTIfr %ti83ce-fr (with TI83PremiumCEKeys)  
\fontkeyTI %ti84ce (with TI84PlusCEKeys)
```

The ttf files can be downloaded [\[here\]](#) and must be installed correctly within `texmf` folder or within readable folder.

3 Items

3.1 Global usage

The purpose of the main macro is to insert, *inline*, a small tcbx to display *items* as for classic calculators.

Size and aspect are fixed, in order to *match* the original rendering.

3.2 The macro

The main macro is `\CalcItemMenu`.

```
\CalcItemMenu[keys]{content}
```

Available keys are :

- `model` : specify the model (empty by default) ;
- `type` : type of item, according to the specified model (empty by default) ;
- `fsep` : length for modifying the sep between rules and content (1pt by default) ;
- `font` : font for the content (`\bfseries\ttfamily` by default) ;
- `len` : internal key for modifying length of content, for same models/types (auto by default) ;
- `bg` : bg color or the *external background*, if necessary (white by default) ;
- `rightsymb` : right symbol, if necessary (empty by default).

3.3 Samples

3.3.1 Generic model

This is the default rendering. Available items are:

- `[type={}]` : white menu (default value) MyItem
- `[type=black]` : black menu MyItem

```
\CalcItemMenu{MyItem}  
\CalcItemMenu[type=black]{MyItem}
```

3.3.2 CASIO 35+ or fx-9860GIII

For this model, the key is `[model=35+]`, and font `[font=\fontCASIOA]` can be used.

By default, there's 4 *characters* in the box, so if there's more, a *h-stretch* is applied.

Available items are:

- `[type={}]` : white menu (default value) GRPH
- `[type=bmenu]` : dark menu GRPH
- `[type=item]` : item menu GRPH
- `[type=itemsel]` : item selected (19 chars) with optional right symbol TEST LONG ITEM

```

\CalcItemMenu[model=35+,font=\small\fontCASIOA]{GRPH}
\CalcItemMenu[model=35+,type=bmenu,font=\small\fontCASIOA]{GRPH}
\CalcItemMenu[model=35+,type=item,font=\small\fontCASIOA]{GRPH}
\CalcItemMenu[model=35+,type=itemsel,font=\small\fontCASIOA]{TEST LONG ITEM}

```

3.3.3 CASIO 90+ or fx-CG50

For this model, the key is `[model=90+]`, and font `[font=\fontCASIOB]` can be used. By default, there's 5 characters in the box, so if there's more, a *h-stretch* is applied. Available items are:

- `[type={}]` : white menu (default value) GRAPH
- `[type=bmenu]` : black menu GRAPH
- `[type=item]` : item menu GRAPH
- `[type=itemsel]` : item selected (22 chars) with optional right symbol TEST LONG ITEM

```

\CalcItemMenu[model=90+,font=\small\fontCASIOB]{GRAPH}
\CalcItemMenu[model=90+,type=bmenu,font=\small\fontCASIOB]{GRAPH}
\CalcItemMenu[model=90+,type=item,font=\small\fontCASIOB]{GRAPH}
\CalcItemMenu[model=90+,type=itemsel,font=\small\fontCASIOB]{TEST LONG ITEM}

```

3.3.4 CASIO MATH+

For this model, the key is `[model=math+]` (20 chars), and font `[font=\fontCASIOB]` can be used. Only one item is available, due to *new global usage*, but `rightsymb` can be used.

- `[rightsymb={}]` (default) MyItem
- `[rightsymb=>]` MyItem >
- `[rightsymb=\casiodots]` MyItem ●

```

\CalcItemMenu[model=math+,font=\small\fontCASIOB]{MyItem}
\CalcItemMenu[model=math+,font=\small\fontCASIOB,rightsymb=>]{MyItem}
\CalcItemMenu[model=math+,font=\small\fontCASIOB,rightsymb=\casiodots]{MyItem}

```

3.3.5 NUMWORKS

For this model, the key is `[model=nwks]`, and font `[font=\fontNWKS]` can be used. Available items are:

- `[type={}]` : white menu (default) MyItem
- `[type=gmenu]` : gray menu MyItem
- `[type=bmenu]` : black menu (22 chars, with `rightsymb`) MyItem ▶

```

\CalcItemMenu[model=nwks,font=\small\fontNWKS]{MyItem}
\CalcItemMenu[model=nwks,type=gmenu,font=\small\fontNWKS]{MyItem}
\CalcItemMenu[model=nwks,type=bmenu,font=\small\fontNWKS,rightsymb=\nwksstri]{MyItem}

```

3.3.6 TI

For this model, the key is `[model=ti]`, and font `[font=\fontTI]` can be used. Available items are:

- `[type={}]` : black menu (default) MyItem
- `[type=menu]` : default menu MyItem
- `[type=itemsel]` : selected item, with number 1: MyItem...

```
\CalcItemMenu[model=ti,font=\small\fontTI]{MyItem}
\CalcItemMenu[model=ti,type=menu,font=\small\fontTI]{MyItem}
\CalcItemMenu[model=ti,type=itemsel,font=\small\fontTI]{1${MyItem\tidots}}
```

3.3.7 HP Prime

For this model, the key is `[model=hp]`, and font `[font=\fontHP]` can be used. By default, there's 5 *characters* in the box, so if there's more, a *h-stretch* is applied. Available items are:

- `[type={}]` : semi-rounded (default value) Catlg
- `[type=ritem]` : rounded OK
- `[type=item]` : item with optional right symbol 1 Extremum >
- `[type=itemsel]` : item selected (21 chars) with optional right symbol 4 Quadratic Explorer >

```
\CalcItemMenu[model=hp,font=\small\fontHP]{Catlg}
\CalcItemMenu[model=hp,type=ritem,font=\small\fontHP]{OK}
\CalcItemMenu[model=hp,type=item,font=\small\fontHP,rightsymp={~>}]{1$Extremum}
\CalcItemMenu[model=hp,type=itemsel,font=\small\fontHP,rightsymp=>]{4$Quadratic Explorer}
```

4 Simple keys

4.1 Usage

It's also possible (it's not the first purpose of this package !) to use simple key for calculators, with similar syntax and keys.

4.2 Samples

A new key is available for the keys, `[colorfont=...]`, for using specific color.

A special font is available for keys, `\fontKEY`.

```
%For CASIO 35+E
```

```
\CalcKey[model={35+}, type=sgray, font=\small\fontKEY, colorfont=white]{F1}  
\CalcKey[model={35+}, type=gray, font=\small\fontKEY, colorfont=casioblue]{EXE}  
\CalcKey[model={35+}, type=white, font=\small\fontKEY, colorfont=red]{ALPHA}  
\CalcKey[model={35+}, type=white, font=\small\fontKEY, colorfont=yellow!50!orange]{SHIFT}  
\CalcKey[model={35+}, type=blue, font=\small\fontKEY]{DEL}
```

F1 **EXE** **ALPHA** **SHIFT** **DEL**

```
%For CASIO 90+E
```

```
\CalcKey[model={90+}, type=gray, font=\small\fontKEY]{x}  
\CalcKey[model={90+}, type=gray, font=\small\fontKEY, colorfont=casioblue]{EXE}  
\CalcKey[model={90+}, type=white, font=\small\fontKEY, colorfont=red]{ALPHA}  
\CalcKey[model={90+}, type=white, font=\small\fontKEY, colorfont=yellow!50!orange]{SHIFT}  
\CalcKey[model={90+}, type=blue, font=\small\fontKEY]{DEL}  
\CalcKey[model={90+}, type=silver, font=\small\fontKEY]{F1}
```

x **EXE** **ALPHA** **SHIFT** **DEL** **F1**

```
%For TI83
```

```
\CalcKey[model={83}, type=white, font=\small\fontKEY]{fenêtre}  
\CalcKey[model={83}, type=swhite, font=\small\fontKEY]{x}  
\CalcKey[model={83}, type=blue, font=\small\fontKEY]{2nde}  
\CalcKey[model={83}, type=green, font=\small\fontKEY]{alpha}  
\CalcKey[model={83}, type=gray, font=\small\fontKEY]{(-)}  
\CalcKey[model={83}, type=gray, font=\small\fontKEY]{1}  
\CalcKey[model={83}, type=lightgray, font=\small\fontKEY]{matrice}  
\CalcKey[model={83}, type=lightgray, font=\small\fontKEY]{mode}  
\CalcKey[model={83}, type=lightgray, font=\small\fontKEY, len=4]{sto\textrightarrow}
```

fenêtre **x** **2nde** **alpha** **(-)** **1** **matrice** **mode** **sto→**

5 With external files

5.1 Introduction

With external or personal files, it's possible macros of this section.

- external fonts: [\[here\]](#)
- external img keys: [\[here\]](#)

5.2 Numworks font, only with LUA/XE

For Numworks model, there's a ttf version of existing keys (<https://www.numworks.com/fr/blog/police-touche-numworks/>), and, with `[xelua]` loading option, it's possible to use *directly* the font, defined with `\fontkeyNWKS` alias, or with the macro for multiple keys.

```
%For nwks, with availables symbols
{\fontkeyNWKS chars}

%For nwks, with availables aliases
\CalcKeyNwks*{list of key, separated with +}
```

The starred version activate bold version of font.

```
NavAera: \CalcKeyNwks{left+right+up+down+home+power+ok+back}

AdvFcts ~~~~: \CalcKeyNwks{shift+alpha+x+var+tools+clear+exp+ln+log+i+,+pow+sin+cos+tan+sqrt+sqr}

AdvFcts bold: \CalcKeyNwks*{shift+alpha+x+var+tools+clear+exp+ln+log+i+,+pow+sin+cos+tan+sqrt+sqr}

NumPad ~~~~: \CalcKeyNwks{0+1+2+3+4+5+6+7+8+9+dot+plus+minus+times+div+lp+rp+x10p+ans+exe}

NumPad bold: \CalcKeyNwks*{0+1+2+3+4+5+6+7+8+9+dot+plus+minus+times+div+lp+rp+x10p+ans+exe}
```

```
\includegraphics{calculatoritems-nwks-lua.pdf}
```



5.3 CASIO font, only with LUA/XE

For CASIO models, there's ttf version of existing keys (<https://edu.casio.com/fr/forteachers/er/fontsets/>), and, with [xelua] loading option, it's possible to use *directly* the font, defined with `\fontkeyCASIOcw` or `\fontkeyCASIOfx` aliases, or with the macro for multiple keys.

```
%For CASIO classwiz, with available symbols
{\fontkeyCASIOcw chars}
%For CASIO fx, with available symbols
{\fontkeyCASIOfx chars}

%For CASIO classwiz, with available aliases
\CalcKeyCasioCW{list of key, separated with +}
%For CASIO fx, with available aliases
\CalcKeyCasioFX{list of key, separated with +}
```

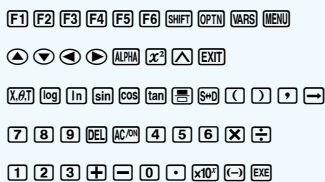
```
\CalcKeyCasioCW{on+home+ok+up+down+left+right+pgup+pgdown+config+back}\\
\CalcKeyCasioCW{shift+var+fx+ctlg+tools+x+frac+sqr+pow+sqr+exp+comma}\\
\CalcKeyCasioCW{sin+cos+tan+lp+rp+del+ac+times+div+plus+minus+sminus}\\
\CalcKeyCasioCW{1+2+3+4+5+6+7+8+9+0+dot+x10p+format+exe}\\
\CalcKeyCasioCW{semicolon+ans}
```

```
\includegraphics{calculatoritems-casiocw-lua.pdf}
```



```
\CalcKeyCasioFX{F1+F2+F3+F4+F5+F6+shift+optn+vars+menu}\\
\CalcKeyCasioFX{up+down+left+right+alpha+sqr+pow+exit}\\
\CalcKeyCasioFX{x+log+ln+sin+cos+tan+frac+sd+lp+rp+comma+sto}\\
\CalcKeyCasioFX{7+8+9+del+acon+4+5+6+times+div}\\
\CalcKeyCasioFX{1+2+3+plus+minus+0+dot+x10p+sminus+exe}
```

```
\includegraphics{calculatoritems-casiofx-lua.pdf}
```



5.4 Texas Instruments font, only with LUA/XE

For TI models, there's ttf version of existing keys (<https://education.ti.com/en/software/search/key-fonts>), and, with [xelua] loading option, it's possible to use *directly* the font, defined with `\CalcKeyTI` or `\CalcKeyTIfr` aliases, or with the macro for multiple keys.

```
%For TI84CE, with available symbols
{\fontkeyTI chars}
%For TI83CE.fr, with available symbols
{\fontkeyTIfr chars}

%For TI84CE, with available aliases
\CalcKeyTI{list of key, separated with +}
%For TI83CE.fr, with available aliases
\CalcKeyTIfr{list of key, separated with +}
```

```
\CalcKeyTI{y>window+zoom+trace+graph+2nd+mode+del+left+up+right+down}\\
\CalcKeyTI{alpha+x+tn+stat+math+apps+prgm+vars+clear}\\
\CalcKeyTI{inv+sin+cos+tan+pow+sqr+comma+lp+rp+div}\\
\CalcKeyTI{log+7+8+9+times+ln+4+5+6+minus}\\
\CalcKeyTI{sto+1+2+3+plus+on+0+dot+sminus+enter}
```

```
\includegraphics{calculatoritems-texas-lua.pdf}
```

```
\CalcKeyTIfr{fx+fenetre+zoom+trace+graphe+2nde+mode+supp+left+up+right+down}\\
\CalcKeyTIfr{alpha+x+tn+stats+math+matrice+prgm+var+annul}\\
\CalcKeyTIfr{fmt+trig+resol+frac+pow+sqr+virg+lp+rp+div}\\
\CalcKeyTIfr{log+7+8+9+times+ln+4+5+6+minus}\\
\CalcKeyTIfr{sto+1+2+3+plus+on+0+dot+sminus+entrer}
```

```
\includegraphics{calculatoritems-texasfr-lua.pdf}
```

5.5 Personal keys

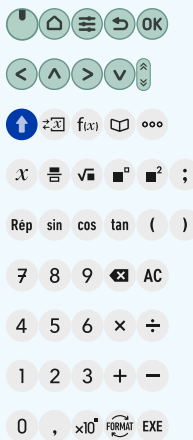
In order to use personal versions of keys (not included with the package, but available [\[here\]](#)), you can use (internal) `\inkeycalc` with pdf files named `calcitems_<model>_<key>.pdf`.

```
%with personal keys, in an readable folder
\inkeycalc(*)[options]{model}{key}

%the starred version uses includegraphics, with optional arguments
%whereas the non starred uses inlinegraphics, with optional arguments (scale=... / strut=...)
```

```
%loop for multiple keys
\newcommand\insertcalckey[2]{%
  \foreach \i in {#2}{\Large\inkeycalc{#1}{\i}\relax}%
}
```

```
%CASIO fx92 College CW (from svg)
\insertcalckey{casio92cw}{on,home,config,back,ok}\
\insertcalckey{casio92cw}{left,up,right,down,pgud}\
\insertcalckey{casio92cw}{shift,var,fx,ctlg,tools}\
\insertcalckey{casio92cw}{x,frac,sqrt,pow,sqr,semicolon}\
\insertcalckey{casio92cw}{rep,sin,cos,tan,lp,rp}\
\insertcalckey{casio92cw}{7,8,9,del,ac}\
\insertcalckey{casio92cw}{4,5,6,times,div}\
\insertcalckey{casio92cw}{1,2,3,plus,minus}\
\insertcalckey{casio92cw}{0,comma,x10p,fmt,exe}
```



%CASIO graph light (from svg)

```
\insertcalckey{casioqlight}{on,home,config,back}\\  
\insertcalckey{casioqlight}{left,up,right,down,pgud}\\  
\insertcalckey{casioqlight}{shift,var,fx,ctlg,tools}\\  
\insertcalckey{casioqlight}{x,frac,sqrt,pow,sqr,exp}\\  
\insertcalckey{casioqlight}{comma,sin,cos,tan,lp,rp}\\  
\insertcalckey{casioqlight}{7,8,9,del,ac}\\  
\insertcalckey{casioqlight}{4,5,6,times,div}\\  
\insertcalckey{casioqlight}{1,2,3,plus,minus}\\  
\insertcalckey{casioqlight}{0,dot,x10p,fmt,exe}
```



%CASIO graph math (from svg)

```
\insertcalckey{casioqmath}{on,home,settings,back,next,prev}\\  
\insertcalckey{casioqmath}{left,up,right,down,pgud}\\  
\insertcalckey{casioqmath}{shift,alpha,var,ctlg,tools}\\  
\insertcalckey{casioqmath}{x,frac,sqrt,pow,sqr,exp}\\  
\insertcalckey{casioqmath}{comma,sin,cos,tan,lp,rp}\\  
\insertcalckey{casioqmath}{7,8,9,del,ac}\\  
\insertcalckey{casioqmath}{4,5,6,times,div}\\  
\insertcalckey{casioqmath}{1,2,3,plus,minus}\\  
\insertcalckey{casioqmath}{0,dot,x10p,fmt,exe}
```



```

%CASIO graph35+e ii (from png)
\insertcalckeys{casio35p}{F1,F2,F3,F4,F5,F6}\\
\insertcalckeys{casio35p}{shift,optn,vars,menu}\\
\insertcalckeys{casio35p}{arrows}\\
\insertcalckeys{casio35p}{alpha,sqr,pow,exit}\\
\insertcalckeys{casio35p}{shift,optn,vars,menu}\\
\insertcalckeys{casio35p}{xT,log,ln,sin,cos,tan}\\
\insertcalckeys{casio35p}{frac,sd,lp,rp,comma,sto}\\
\insertcalckeys{casio35p}{7,8,9,del,ac}\\
\insertcalckeys{casio35p}{4,5,6,times,div}\\
\insertcalckeys{casio35p}{1,2,3,plus,minus}\\
\insertcalckeys{casio35p}{0,dot,x10x,sminus,exe}

```



```

%CASIO graph90 (from png)
\insertcalckey{casio90p}{F1,F2,F3,F4,F5,F6}\\
\insertcalckey{casio90p}{shift,optn,vars,menu}\\
\insertcalckey{casio90p}{arrows}\\
\insertcalckey{casio90p}{alpha,sqr,pow,exit}\\
\insertcalckey{casio90p}{shift,optn,vars,menu}\\
\insertcalckey{casio90p}{x,t,log,ln,sin,cos,tan}\\
\insertcalckey{casio90p}{frac,sd,lp,rp,comma,sto}\\
\insertcalckey{casio90p}{7,8,9,del,ac}\\
\insertcalckey{casio90p}{4,5,6,times,div}\\
\insertcalckey{casio90p}{1,2,3,plus,minus}\\
\insertcalckey{casio90p}{0,dot,x10p,sminus,exe}

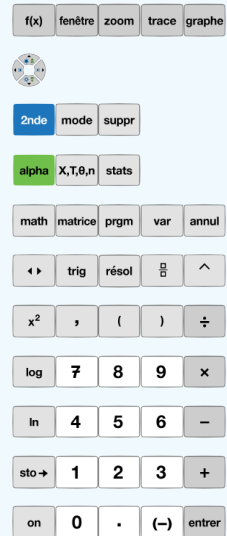
```



```

%TI 83CEfr (from png)
\insertcalckey{fx, fenetre, zoom, trace, graphe}
\insertcalckey{arrows}
\insertcalckey{2nde, mode, suppr}
\insertcalckey{alpha, xtn, stats}
\insertcalckey{math, matrice, prgm, var, annul}
\insertcalckey{sd, trig, resol, frac, pow}
\insertcalckey{sqr, comma, lp, rp, div}
\insertcalckey{log, 7, 8, 9, times}
\insertcalckey{ln, 4, 5, 6, minus}
\insertcalckey{sto, 1, 2, 3, plus}
\insertcalckey{on, 0, dot, sminus, entrer}

```




```

%TI 83CEfr full (from svg)
\insertcalckey{ti83cefull}{fx, fenetre, zoom, trace, graphe}\\
\insertcalckey{ti83cefull}{arrows}\\
\insertcalckey{ti83cefull}{2nde, mode, suppr}\\
\insertcalckey{ti83cefull}{alpha, xtn, stats}\\
\insertcalckey{ti83cefull}{math, matrice, prgm, var, annul}\\
\insertcalckey{ti83cefull}{sd, trig, resol, frac, pow}\\
\insertcalckey{ti83cefull}{sqr, comma, lp, rp, div}\\
\insertcalckey{ti83cefull}{log, 7, 8, 9, times}\\
\insertcalckey{ti83cefull}{ln, 4, 5, 6, minus}\\
\insertcalckey{ti83cefull}{sto, 1, 2, 3, plus}\\
\insertcalckey{ti83cefull}{on, 0, dot, sminus, entrer}

```

graphstat f1 def table f2 format f3 calculs f4 tabls f5
f(x) fenetre zoom trace graphe



2nde quitter insérer
mode suppr

var: A échanger listes
alpha X,T,θ,n stats

tests A x⁻¹ B dessin C distrib
math matrice prgm var annul

angle D π E apps F $\frac{\square}{\square}$ G H
← trig resol $\frac{\square}{\square}$ ^

$\sqrt{\square}$ I EE J ((K) L e M
x² , () ÷

10^x N $\frac{1}{\square}$ O $\frac{1}{\square}$ P $\frac{1}{\square}$ Q | R
log 7 8 9 x

e^x S L4 T L5 U L6 V | W
ln 4 5 6 -

rappel X L1 Y L2 Z L3 θ mém m
sto → 1 2 3 +

off catalog $\frac{1}{\square}$ f : rép ? précéd
on 0 = (-) entrer