calculatoritems

Insert items (or simple keys) of classic calculators.

Version 0.1.3 – 03/02/2025

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```
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=\nwkstri,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 calulators items or menus :

- 35+E : GRAPH
- 90+E : MAT
- MATH+: arithmetic >
- NWKS : X predict ▶
- TI : 6:fmin(
- HP : 4 Quadratic Explorer >

Contents

1 History & Future

```
0.1.3: new styles for math+
0.1.2: New version with resizebox (better render and calc)
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`, `settobox`, `ifthen`, `calc`, `simplekv`, `tcolorbox` and `circledtext`.
Loaded libraries are `calc` and `skins`.

If `ammsymb` doen'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{FreeSans}[Scale=MatchLowercase] %casio90 & math+
\newfontfamily\fontTI{AnonymousPro}[Scale=MatchLowercase] %ti
\newfontfamily\fontHP{AlegreyaSans}[Scale=MatchLowercase] %hp
\newfontfamily\fontKEY{Inconsolatazi4}[Scale=MatchLowercase] %global keys
```

2.3 Special macros

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

```
\nwkstri \qquad \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 `tcbox` 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.
Two types are available, one for the (s)menu, the other for the tab, and `rightsymb` can be used.

- `[rightsymb={}]` (default) MyItem
- `[rightsymb=>]` MyItem >
- `[rightsymb=\casiodots]` MyItem
- `[rightsymb=>,type=smenu]` MyItem >
- `[rightsymb=\casiodots,type=tab]` 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}
\CalcItemMenu[model=math+,type=smenu,font=\small\fontCASIOB,rightsymb=>]{MyItem}
\CalcItemMenu[model=math+,type=tab,font=\small\fontCASIOB]{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`)


```
\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=\nwkstri]{MyItem}
```

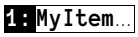
3.3.6 TI

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

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

- `[type=menu]`: default menu

- `[type=itemsel]`: selected item, with number




```
\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}}
```

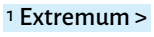
3.3.7 HP Prime

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:

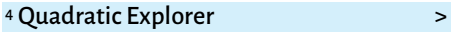
- `[type={}]`: semi-rounded (default value)

- `[type=ritem]`: rounded

- `[type=item]`: item with optional right symbol



- `[type=itemsel]`: item selected (21 chars) with optional right symbol




```
\CalcItemMenu[model=hp,font=\small\fontHP]{Catlg}
\CalcItemMenu[model=hp,type=ritem,font=\small\fontHP]{OK}
\CalcItemMenu[model=hp,type=item,font=\small\fontHP,rightsymb={~>}]{1§Extremum}
\CalcItemMenu[model=hp,type=itemsel,font=\small\fontHP,rightsymb=>]{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=casiobluexe]{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=casioblueqdkey]{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

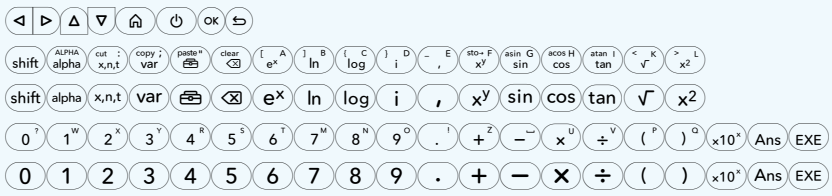
For Numworks model, there's a `ttf` version of existing keys (https://www.numworks.com/fr/blog/police-touches-numworks/), and, with `[xelua]` loading option, it's possible to use *directly* the font, defined with `\fontkeyNWKS` alias, or with the macro for multiple keys.

```
%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.

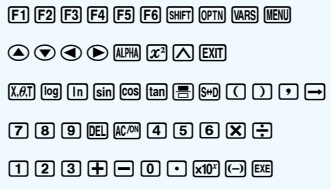
```
%For CASIO classwiz, with availables symbols
{\fontkeyCASIOcw chars}
%For CASIO fx, with availables symbols
{\fontkeyCASIOfx chars}

%For CASIO classwiz, with availables aliases
\CalcKeyCasioCW{list of key, separated with +}
%For CASIO fx, with availables 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+sqrt+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{semicol+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{xtt+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}
```



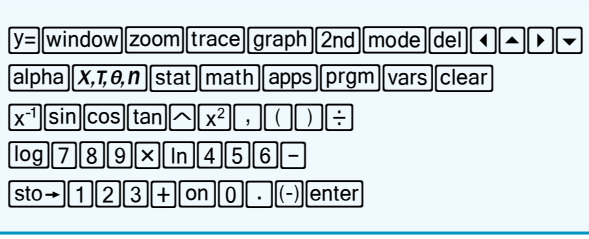
5.4 Texas Instruments font, only with LUA/XE

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 availables symbols
{\fontkeyTI chars}
%For TI83CE.fr, with availables symbols
{\fontkeyTIfr chars}

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

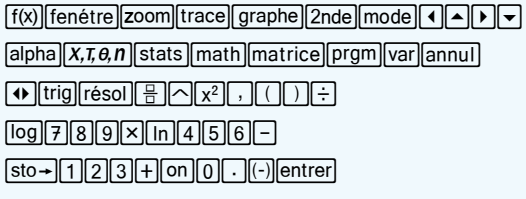
```
\CalcKeyTI{y+window+zoom+trace+graph+2nd+mode+del+left+up+right+down}\\
\CalcKeyTI{alpha+xttn+stat+math+apps+prgm+vars+clear}\\
\CalcKeyTI{inv+sin+cos+tan+pow+sqr+comma+lp+rp+div}\\
\CalcKeyTI{log+7+8+9+times+ln+4+5+6+minus}\\
\CalcKeyTI{sto+1+2+3+plus+on+0+dot+sminus+enter}
```

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




```
\CalcKeyTIfr{fx+fenetre+zoom+trace+graphe+2nde+mode+supp+left+up+right+down}\\
\CalcKeyTIfr{alpha+xttn+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 an use (internal) `\inckeycalc` with `pdf/png/...` files named `calcitems_<model>_<key>.<ext>`.

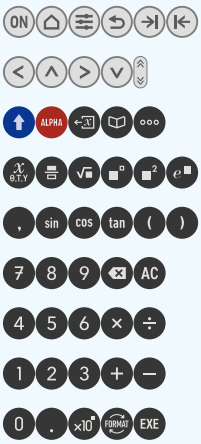
```
%with personal keys, in an readable folder
\inckeycalc(*)[options]{model}{key}[extension]

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

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

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

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


```
%CASIO graph math (from svg)
\insertcalckeys{casiogmath}{on,home,settings,back,next,prev}\\
\insertcalckeys{casiogmath}{left,up,right,down,pgud}\\
\insertcalckeys{casiogmath}{shift,alpha,var,ctlg,tools}\\
\insertcalckeys{casiogmath}{xtty,frac,sqrt,pow,sqr,exp}\\
\insertcalckeys{casiogmath}{comma,sin,cos,tan,lp,rp}\\
\insertcalckeys{casiogmath}{7,8,9,del,ac}\\
\insertcalckeys{casiogmath}{4,5,6,times,div}\\
\insertcalckeys{casiogmath}{1,2,3,plus,minus}\\
\insertcalckeys{casiogmath}{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}{xtt,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,x10p,sminus,exe}
```

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

```
%TI 83CEfr (from png)
\insertcalckeys{ti83ce}{fx,fenetre,zoom,trace,graphe}\\
\insertcalckeys{ti83ce}{arrows}\\
\insertcalckeys{ti83ce}{2nde,mode,suppr}\\
\insertcalckeys{ti83ce}{alpha,xttn,stats}\\
\insertcalckeys{ti83ce}{math,matrice,prgm,var,annul}\\
\insertcalckeys{ti83ce}{sd,trig,resol,frac,pow}\\
\insertcalckeys{ti83ce}{sqr,comma,lp,rp,div}\\
\insertcalckeys{ti83ce}{log,7,8,9,times}\\
\insertcalckeys{ti83ce}{ln,4,5,6,minus}\\
\insertcalckeys{ti83ce}{sto,1,2,3,plus}\\
\insertcalckeys{ti83ce}{on,0,dot,sminus,entrer}
```

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