

| VAR (ALL) | VAR   |        |       |        |       |        |
|-----------|-------|--------|-------|--------|-------|--------|
| g-shift   | PV    | STATS  | ↑EST  | ↑Lim   | ↑X    | ↑Y     |
| f-shift   | Mat_A | Mat_B  | Mat_X | NPPER  | PMT   | PPER/a |
| unshifted | ACC   | CPER/a | FV    | GRAMOD | HISTO | I%/a   |
| Page 1    | F1    | F2     | F3    | F4     | F5    | F6     |

Prev menu [https://47calc.com/doc/R47/Menus/R47v0\\_Menu\\_Uniform\\_page\\_1.pdf](https://47calc.com/doc/R47/Menus/R47v0_Menu_Uniform_page_1.pdf)

Next menu [https://47calc.com/doc/R47/Menus/R47v0\\_Menu\\_VAR\\_page\\_2.pdf](https://47calc.com/doc/R47/Menus/R47v0_Menu_VAR_page_2.pdf)

| Level   | Label          | Type               | FullName                   | Extended description                                                                                                                                                                                                                                                                                             | Category                | Flag | Catalog        | Default |
|---------|----------------|--------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------|----------------|---------|
| Menu p1 | VAR (ALL)      | MENU (ASM)         | VAR                        | Presented in TAM menus for commands accessing variables ; TAM : CAT.VARS.* menu ; Info : Type characters 1-2 to search ; Matrix variables STATS and HISTO are also included in this menu, if created                                                                                                             | Trailing input          |      | VAR            |         |
| F1      | ACC            | Variable (real)    | Accuracy of the integrator | Reserved Real variable for the accuracy of the integrator (ACC) ; set interactively from menu Toolf ; TI : 'ACC' :                                                                                                                                                                                               | Integrator              |      | ACC            | 0       |
| F2      | CPER/a         | Variable (real)    | TVM compounding periods    | Reserved Real variable for the TVM compounding periods per annum (cp/a) ; displays as $c_a$ or $c$ in menu TVM when value $\neq 0$ ; TI : CPER/a = Compounding periods p.a. =                                                                                                                                    | Financial               |      | CPER/a         | 12      |
| F3      | FV             | Variable (real)    | TVM future value           | Reserved Real variable for the TVM future value (FV) ; displays as $F$ in menu TVM when value is large ; TI : FV = Future Value =                                                                                                                                                                                | Financial               |      | FV             | 0       |
| F4      | GRAMOD         | Variable (longint) | Graphics display mode      | Reserved LongInteger variable for the graphics display mode (GRAMOD) ; set interactively from menu P.FN1 (AGRAPH) ; Info : OR: 0 ; SET: 1 ; OFF: 2 ; XOR: 3                                                                                                                                                      | Programming             |      | GRAMOD         | 0       |
| F5      | HISTO          | Variable (matrix)  | Histogram matrix           | Reserved Matrix variable (cannot be deleted) for the histogram matrix (HISTO) ; created from STATS using menu HIST ; not created after RESET                                                                                                                                                                     | Plotting and statistics |      | HISTO          |         |
| F6      | I%/a           | Variable (real)    | TVM annual interest rate   | Reserved Real variable for the TVM annual interest rate as percentage (I/a) ; use 10 for 10%, not 0.1 ; displays as $I_a$ or $I$ in menu TVM when value is large ; TI : I%/a = I%YR = APR =                                                                                                                      | Financial               |      | I%/a           | 0       |
| fF1     | Mat_A          | Variable (matrix)  | Matrix A                   | Reserved Matrix variable for the Matrix A (Mat A) ; enter equation coefficient matrix using menu M_SIMQ ; created after RESET                                                                                                                                                                                    | Matrix operations       |      | Mat_A          |         |
| fF2     | Mat_B          | Variable (matrix)  | Matrix B                   | Reserved Matrix variable for the Matrix B (Mat B) ; enter equation result vector using menu M_SIMQ ; created after RESET                                                                                                                                                                                         | Matrix operations       |      | Mat_B          |         |
| fF3     | Mat_X          | Variable (matrix)  | Matrix X                   | Reserved Matrix variable for the Matrix X (Mat X) ; calculate equation solution vector using menu M_SIMQ ; created after RESET                                                                                                                                                                                   | Matrix operations       |      | Mat_X          |         |
| fF4     | NPPER          | Variable (real)    | TVM number of payments     | Reserved Real variable for the TVM number of payments (n) ; TI : NPPER = n pay periods =                                                                                                                                                                                                                         | Financial               |      | NPPER          | 0       |
| fF5     | PMT            | Variable (real)    | TVM payment                | Reserved Real variable for the TVM payment (PMT) ; displays as $P_m$ or $P$ in menu TVM when value is large ; TI : PMT = Payment =                                                                                                                                                                               | Financial               |      | PMT            | 0       |
| fF6     | PPER/a         | Variable (real)    | TVM payment period         | Reserved Real variable for the TVM payment period per annum (pp/a) ; displays as $p_a$ or $p$ in menu TVM when value $\neq 0$ ; TI : PPER/a = Pay periods p.a. =                                                                                                                                                 | Financial               |      | PPER/a         | 12      |
| gF1     | PV             | Variable (real)    | TVM present value          | Reserved Real variable for the TVM present value (PV) ; displays as $P_v$ or $P$ in menu TVM when value is large ; TI : PV = Present Value =                                                                                                                                                                     | Financial               |      | PV             | 0       |
| gF2     | STATS          | Variable (matrix)  | Statistics matrix          | Reserved Matrix variable (cannot be deleted) for the statistics matrix (STATS) ; created from data entered using $\Sigma+$ ; not created after RESET ; TI : Re-calculating sums ... ; may be shown when storing or loading the statistics matrix                                                                 | Plotting and statistics |      | STATS          |         |
| gF3     | $\uparrow$ EST | Variable (real)    | Upper estimate for solver  | Reserved Real variable for the upper estimate for solver ( $\uparrow$ Est) ; displays as $\uparrow E$ in menu ToolS for larger values ; set interactively from menu ToolS and set by realSlv $\frac{x}{y}$ or cpxSlv $\frac{x}{y}$ ; Split screen : Displaying $\uparrow$ Est Upper = ; $\downarrow$ Est Lower = | Solver                  |      | $\uparrow$ EST | 0       |
| gF4     | $\uparrow$ Lim | Variable (real)    | Upper limit for integrator | Reserved Real variable for the upper limit for integrator ( $\uparrow$ Lim) ; displays as $\uparrow L$ in menu Toolf for larger values ; set interactively from menu Toolf and set by f $\frac{x}{y}$ ; TI : $\uparrow$ Upper limit :                                                                            | Integrator              |      | $\uparrow$ Lim | 0       |
| gF5     | $\uparrow$ X   | Variable (real)    | Upper limit for X-axis     | Reserved Real variable for the upper limit for X-axis ( $\uparrow$ X) ; set interactively from menu Graphs and set by Draw $\frac{x}{y}$ ; TI : ' $\uparrow$ X' :                                                                                                                                                | Plotting                |      | $\uparrow$ X   | 10      |
| gF6     | $\uparrow$ Y   | Variable (real)    | Upper limit for Y-axis     | Reserved Real variable for the upper limit for Y-axis ( $\uparrow$ Y) ; set interactively from menu Graphs and set by Plot functions ; TI : ' $\uparrow$ Y' :                                                                                                                                                    | Plotting                |      | $\uparrow$ Y   | 10      |