

2Words (32bit number extensions)#

Implementation for 6502 based systems#

```
\ 2! 2@ 2variable 2constant
cr .( Loading 2words ...)

\needs code INCLUDE" D:TAS65.F"

code 2! ( d addr -- )
  tya setup jsr 3 # ldy
  [[ sp )y lda n )y sta dey 0< ?]
  1 # ldy poptwo jmp end-code

code 2@ ( addr -- d )
  sp x) lda n sta sp )y lda n 1+ sta
  sp 2dec 3 # ldy
  [[ n )y lda sp )y sta dey 0< ?]
  xyNext jmp end-code

: 2VARIABLE ( -- )
  create 4 allot ;

: 2CONSTANT ( d -- )
  CREATE , , DOES> ( -- d ) 2@ ;

\ 2dup exists
\ 2swap exists
\ 2drop exists

cr .( 2Words loaded. )
```