

**abs** num >> |num|  
**add** num1 num2 >> (num1+num2)  
**aload** array >> elem1..elem2.. array  
**anchorsearch** string seek >> found: spos smatch true  
                   not found: string false  
**and** a b >> aANDb (bitwise if a,b are integers)  
**arc** x y r ang1 ang2 >> --  
**arcn** x y r ang1 ang2 >> --  
**arcto** x1 y1 x2 y2 r >> xt1 yt1 xt2 yt2  
**array** int >> array-of-size-int  
**ashow** ax ay string >> --  
**astore** elem1..elem2.. array-size >> array[elem1..elem2]  
**atan** a b >> angle-whose-tang-is-(a/b)  
**awidthshow** ax ay string >> --  
**begin** dict >> --  
**bitshift** int shift >> int-shifted (right: +, left: -)  
**bytesavailable** file >> int (-1 if cannot be determ)  
**cachestatus** -- >> bsize bmax msize mmax csize cmax maxbits  
**ceiling** number >> least-integ-grtr-than-or-eq-to  
**charpath** string strokepath-bool >> --  
**clear** a..b..c.. >> ....  
**cleartomark** mark a..b..c.. >> --  
**clip** -- >> --  
**clippath** -- >> --  
**closefile** file >> --  
**closepath** -- >> --  
**concat** matrix >> --  
**concatmatrix** mtrx1 mtrx2 mtrx3 >> mtrx3 (=mtrx1\*mtrx2)  
**copy** a..b..c.. int >> a..b..c.. a..b..c.. (top -int- elem)  
**copypage** -- >> --  
**cos** a >> cosine(a)  
**count** a..b..c.. >> a..b..c..count  
**countdictstack** -- >> count  
**countexecstack** -- >> count  
**counttomark** mark a..b..c.. >> mark a..b..c..count  
**currentdash** -- >> array offset  
**currentdict** -- >> dict  
**currentfile** -- >> file  
**currentflat** -- >> number  
**currentfont** -- >> font-dict  
**currentgray** -- >> number  
**currenthsbcolor** -- >> hue satur bright  
**currentlinecap** -- >> integer  
**currentlinejoin** -- >> integer  
**currentlinewidth** -- >> number  
**currentmatrix** matrix >> CTM-matrix

**currentmiterlimit** -- >> number  
**currentpoint** -- >> x y  
**currentrgbcolor** -- >> red green blue  
**currentscreen** -- >> freq rot spot-funct  
**currenttransfer** -- >> gray-tansf-funct  
**curveto** x0 y0 x1 y1 x2 y2 >> --  
**cvi** num >> integ or strng >> int  
**cvlit** a >> literal (not-exec)  
**cvn** string >> name  
**cvr** num >> real  
**cvrs** num base string >> substring  
**cvs** a string >> substring  
**cvx** a >> executable  
**def** key value >> --  
**defaultmatrix** matrix >> def-matrix  
**definefont** key dict >> font-dict  
**dict** int >> dict (maximum-capacity: int)  
**dictstack** array >> subarray  
**div** num1 num2 >> (num1/num2)  
**dtransform** xd yd >> xdt ydt  
                   or xd yd matrix >> xdt ydt  
**dup** a >> a a  
**echo** bool >> --  
**end** -- >> --  
**eofclip** -- >> --  
**eofill** -- >> --  
**eq** a b >> bool (true if a=b)  
**erasepage** -- >> --  
**exch** a b >> b a  
**exec** a >> --  
**execstack** array >> subarray  
**executeonly** array >> exec-only-array (or string)  
**exit** -- >> --  
**exp** num1 num2 >> num1-to-the-num2-pwr  
**false** -- >> false  
**file** string1 string2 >> file (str2: r, w)  
**fill** -- >> --  
**findfont** key >> font-dict  
**flattenpath** -- >> --  
**floor** number >> greatest-int-less-than-or-eq-to  
**flush** -- >> --  
**flushfile** file >> --  
**for** init incr limit proc >> --  
**forall** array proc >> elem1..elem2.. (& executes proc)  
**framedevice** mtrx wid height proc >> --  
**ge** num1 num2 >> bool (true if num1>=num2)

**get** array index >> element  
**getinterval** array beg len >> subarray  
**grestore** -- >> --  
**grestoreall** -- >> --  
**gsave** -- tab --  
**gt** num1 num2 >> bool (true if num1>num2)  
**identmatrix** matrix >> id-transf-mtrx  
**idiv** int1 int2 >> int-part-of(int1/int2)  
**idtransform** xdt ydt >> xd yd (xdt ydt mtrx >> xd yd)  
**if** bool proc >> --  
**ifelse** bool proc1 proc2 >> --  
**image** scan-len scan-lns bits/pix1 mtrx proc >> --  
**imagemask** scan-len scan-lns invrt mtrx proc >> --  
**index** a1..a2..a3..ak t >> a1..a2..a3..ak a(k-t)  
**initclip** -- >> --  
**initgraphics** -- >> --  
**initmatrix** -- >> --  
**invertmatrix** mtrx1 mtrx >> mtrx (contents-of-mtrx1-inverted)  
**itransform** xt yt >> x y (xt yt mtrx >> x y)  
**known** dict key >> bool  
**kshow** proc string >> --  
**le** num1 num2 >> bool (true if num1<=num2)  
**length** array >> length-of-array  
**lineto** x y >> --  
**ln** num >> natural-logar-of-num  
**load** key >> value  
**log** num >> common-logar-of-num  
**loop** proc >> --  
**lt** num1 num2 >> bool (true if num1<num2)  
**makefont** font-dict matrix >> transformed-font-dict  
**mark** -- >> mark  
**matrix** -- >> matrix  
**maxlength** dict >> int  
**mod** int1 int2 >> int1MODint2  
**moveto** x y >> --  
**mul** num1 num2 >> num1\*num2  
**ne** num1 num2 >> bool (false if num1=num2)  
**neg** num >> -num  
**newpath** -- >> --  
**not** a >> NOTa (bitwise if a is integer)  
**null** -- >> null  
**nulldevice** -- >> --  
**or** a b >> aORb (bitwise if a,b are integers)  
**pathbbox** -- >> lo-left-x lo-le-y upr-rgt-x upr-rgt-y  
**pathforall** mveto-proc lneto-proc crveto-proc clsepth-proc >> --  
**pop** a >> --

<b>print</b>	string >> --
<b>prompt</b>	-- >> --
<b>pstack</b>	a..b..c.. >> --
<b>put</b>	array index value >> --
<b>putinterval</b>	array1 beg arry2 >> arry1
<b>quit</b>	-- >> --
<b>rand</b>	-- >> int
<b>rcheck</b>	array >> bool (true if readable)
<b>rcurveto</b>	dx0 dy0 dx1 dy1 dx2 dy2 >> --
<b>read</b>	file >> byte bool (false if EOF)
<b>readhexstring</b>	file string >> substring bool
<b>readline</b>	file string >> substring bool
<b>readonly</b>	array >> ReadOnly-array
<b>readstring</b>	file string >> substr bool (false if EOF)
<b>repeat</b>	count proc >> --
<b>restore</b>	save-objct >> --
<b>reversepath</b>	-- >> --
<b>rlineto</b>	dx dy >> --
<b>rmoveto</b>	dx dy >> --
<b>roll</b>	a..b..c.. N R >> a..b..c.. (top N elems rolled by R)
<b>rotate</b>	angle >> -- (or, angle mtrx >> mtrx)
<b>round</b>	num >> num-rounded
<b>rrand</b>	-- >> current-random-nr-seed-state
<b>run</b>	string >> --
<b>save</b>	-- >> save-object
<b>scale</b>	sx sy >> -- or sx sy mtrx >> mtrx
<b>scalefont</b>	font-dict number >> transformed-font-dict
<b>search</b>	string
<b>setcachedevice</b>	wx wy llx lly urx ury >> --
<b>setcachelimit</b>	maxbytes >> --
<b>setcharwidth</b>	wx wy >> --
<b>setdash</b>	array offset >> --
<b>setflat</b>	num >> --
<b>setfont</b>	font-dict >> --
<b>setgray</b>	num >> --
<b>sethsbcolor</b>	hue satur bright >> --
<b>setlinecap</b>	integer >> --
<b>setlinejoin</b>	integer >> --
<b>setlinewidth</b>	num >> --
<b>setmatrix</b>	matrix >> --
<b>setmiterlimit</b>	num >> --
<b>setrgbcolor</b>	red green blue >> --
<b>setscreen</b>	freq rotation spot-function >> --
<b>settransfer</b>	gray-transfer-funct >> --
<b>show</b>	string >> --
<b>showpage</b>	-- >> --

<b>sin</b>	num >> sine(num)
<b>sqrt</b>	num >> square-root-of-num
<b>srand</b>	int >> --
<b>stack</b>	a..b..c.. >> a..b..c..
<b>start</b>	-- >> --
<b>status</b>	file >> bool (true if open)
<b>stop</b>	-- >> --
<b>stopped</b>	a >> bool (false if a was terminated normally)
<b>store</b>	key value >> --
<b>string</b>	int >> string
<b>stringwidth</b>	string >> wx wy
<b>stroke</b>	-- >> --
<b>strokepath</b>	-- >> --
<b>sub</b>	num1 num2 >> num1-num2
<b>systemdict</b>	-- >> system-dict
<b>token</b>	file >> bool (true if found)
<b>token</b>	string >> if found: s-post token true not found: false
<b>transform</b>	x y >> xt xy or x y mtrx >> xt yt
<b>translate</b>	tx ty >> -- or tx ty mtrx >> mtrx
<b>true</b>	-- >> true
<b>truncate</b>	num >> num-truncated
<b>type</b>	a >> type-name-of-a
<b>userdict</b>	-- >> user-dict
<b>usertime</b>	-- >> time-in-msecs
<b>version</b>	-- >> soft-&-hard-version-string
<b>vmstatus</b>	-- >> level-of-save bytes-used total-bytes-avail
<b>wcheck</b>	array >> bool (if writeable: true)
<b>where</b>	key >> if found: dict true not found: false
<b>widthshow</b>	dx dy char-code string >> --
<b>write</b>	file byte >> --
<b>writehexstring</b>	file strig >> --
<b>writestring</b>	file string >> --
<b>xcheck</b>	a >> bool (true if a is executable)
<b>xor</b>	a b >> aXORb (bitwise if a,b are integers)
<b>=</b>	a..b..c.. >> --
<b>==</b>	a..b..c.. >> --

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