- 1		X	Y	Z
.	separator .' (transpose) / permute	rot90	system	full
٠ ا	for	repmat	repelem (run-length decoding)	blanks
	specify outputs	display stack (debug)		fopen, fwrite, fclose
\$ %	specify inputs comment	class	char(vpa())	fopen, fread, fclose typecast
	alternative default input/output spec	intersect	and	bitand
	Not used. String delimiter		run-length encoding	now / clock
(	( ) assignment indexing / split	{ } assignment indexing	( ) assignment ind. with final : / split	( ) assignment ind. with initial : / split
,	( ) reference indexing	{ } reference indexing kron	( ) reference ind. with final : matrix product	( ) reference ind. with initial :  Cartesian product
+	+	Non	conv2	conv2(, 'same')
, [		cos	sin	tan
-	- break	setdiff continue	deconv pause	bitget
,	./	angle	matrix /	unwrap
	Not used	predefined literals	predefined literals	
	Not used	predefined literals	predefined literals	
	Not used Not used	predefined literals predefined literals	predefined literals predefined literals	
	Not used	predefined literals	prodemica merale	
	Not used	predefined literals		
	Not used	predefined literals		
	Not used Not used	predefined literals predefined literals		
9 [	Not used	predefined literals		
:	colon (function)	linearize array	comma-separated list	bitset
;	<	acos min	asin cummin	atan2
-	==	isequal	strcmp	strncmp
>	>	max	cummax	·
?	if	and Mark in day	why	sparse
	push "for" value / "while" index all	push "for" index all(, 1)	perms dec2base. Larger base, any symbols	randperm base2dec. Larger base, any symbols
в	logical(dec2bin()-'0')	bin2dec(char(+'0'))	dec2base. Larger base, any symbols dec2bin	bin2dec
c [		histcounts	im2col	im2col(, 'distinct')
	disp(num2str(,)) multiply by 2	disp(num2str()) replace elements in array	sprintf / fprintf	disp
	Not used. False (literal)	replace elements in array	exponents of prime factorization	
G	Paste from clipboard G (user-input)	plot	imwrite / imagesc / image / imshow	appearance of graphics / format
H	Paste from clipboard H	Copy to clipboard H	10:	
	Paste from clipboard J  Paste from clipboard J	Copy to clipboard I Copy to clipboard J	col2im	
ĸ	Paste from clipboard K	Copy to clipboard K		
ᆫ [	Paste from clipboard L (multi-level)	Copy to clipboard L (multi-level)	gallery	
M N	Paste from clipboard M (function-input) stack size	mode nchoosek (array)	NaN	ienan
	zeros	datestr	datenum	isnan datevec
P	flip	flipud	pi	pdist2
	increment by 1	accumarray	Section	polyval / roots / polyfit
	sort	triu(,1) / build matrix sortrows	tril circshift	tril(,-1) / build matrix sign
	Not used. True (literal)		toeplitz	
U	str2num / string to array / square	str2double		
	num2str 2 raised to input			
	Not used	regexp	regexprep	
Υ	Not used		inf	isinf
	Not used Array delimiter	ind2sub		
	Not used. Array delimiter mod	mod(1)+1	matrix \	
1	end (loops or conditional branches)	sub2ind		
^	. A	sqrt	matrix ^	Cartesian power
	unary minus			1
	downiie	while	tic	toc
a	dowhile any	while any(, 1)	tic padarray	toc base2base
b	any bubble	any(, 1)	padarray strsplit	base2base
b c	any <mark>bubble</mark> char (also for cell array)	any(, 1) cat	padarray strsplit strcat	base2base strjoin
b c d e	any bubble	any(, 1)	padarray strsplit	base2base
b c d e f	any bubble char (also for cell array) diff reshape / squeeze find	any(, 1)  cat diag / spdiags  strfind	padarray strsplit strcat blkdiag factor	base2base  strjoin gcd exp
b c d e f	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat	any(, 1)  cat diag / spdiags  strfind ndgrid	padarray strsplit strcat blkdiag factor gamma / gammainc / betainc	base2base strjoin gcd exp gammain / betain
b c d e f g	any bubble char (also for cell array) diff reshape / squeeze find	any(, 1)  cat diag / spdiags  strfind	padarray strsplit strcat blkdiag factor	base2base  strjoin gcd exp
b c d e f g h i j	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s')	any(, 1)  cat diag / spdiags  strfind ndgrid {,} urlread real	padarray strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imag	base2base strjoin gcd exp gammain / betain
b cd e f gh i j k	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor	any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values	base2base  strjoin gcd exp  gammaln / betaln hypergeom  conj
b cd e f gh i j k l	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones	any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag losest values log. With two inputs, specifies base	base2base  strjoin gcd exp  gammain / betain hypergeom conj
b c d e f g h i j k l m	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel	any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c.	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imread imag closest values log. With two inputs, specifies base mean poly / interp1	base2base  strjoin gcd exp  gammain / betain hypergeom  conj log2 lcm
b c d e f g h i j k l m n o	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel double / cell array to numeric / parity	any(, 1)  cat diag / spdiags  strfind ndgrid {,} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case	base2base  strjoin gcd exp  gammain / betain hypergeom  conj  log2 lcm  fix
bcdefghijklmnop	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel double / cell array to numeric / parity prod	any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,)	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod	base2base  strjoin gcd exp  gammaln / betaln hypergeom conj  log2 lcm  fix isprime / totient function
bcdefghijklmnopq	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel double / cell array to numeric / parity	any(, 1)  cat diag / spdiags  strfind ndgrid {,} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case	base2base  strjoin gcd exp  gammain / betain hypergeom  conj  log2 lcm  fix
bcdef ghijklmnopqrs	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input, 's') lower / floor ones ismember numel double / cell array to numeric / parity prod decrement by 1 rand sum	any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile	padarray strspilt strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime	base2base  strjoin gcd exp  gammaIn / betaIn hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample std
bcdefghijklmnopqrst	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input input(,'s') lower / floor ones ismember numel double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements	any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil  ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imrag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi	base2base  strjoin gcd exp  gammaln / betaln hypergeom  conj  log2 lcm fix isprime / totient function primes randsample std strrep
bcd ef gh; k, mnopqrstu	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input, 's') lower / floor ones ismember numel double / cell array to numeric / parity prod decrement by 1 rand sum	any(, 1)  cat diag / spdiags  strfind ndgrid {,} urlread real upper / ceil  ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imrag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi	base2base  strjoin gcd exp  gammaIn / betaIn hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample std
b cdef ghi k mnopqrstuvw	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input input(,'s') lower / floor ones ismember numel double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat	any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember('rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique(,'rows')	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum	base2base  strjoin gcd exp  gammaln / betain hypergeom  conj log2 lcm fix isprime / totient function primes randsample std strrep stripust
b cdef ghi k mnopqrstuvwx	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat swap delete from stack	any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum	base2base  strjoin gcd exp  gammain / betain hypergeom  conj log2 lcm  fix isprime / totient function primes randsample std strrep strjust deblank
b cdef gh   k   m n o pq r st u v w x y	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat swap delete from stack duplicate element	any(, 1)  cat diag / spdiags  strfind ndgrid {,} urlread real upper / ceil  ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique(,'rows')	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum	base2base  strjoin gcd exp  gammaln / betain hypergeom  conj log2 lcm fix isprime / totient function primes randsample std strrep stripust
b c d e f g h i j k l m n o p q r s t u v w x y z	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat swap delete from stack	any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum	base2base  strjoin gcd exp  gammain / betain hypergeom  conj log2 lcm  fix isprime / totient function primes randsample std strrep strjust deblank
b cdef ghi k mnopqrst uvwxyz{-	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat swap delete from stack duplicate element nnz Not used. Cell array delimiter abs / norm / determinant	any(, 1)  cat diag / spdiags  strfind ndgrid {,} urlread real upper / ceil ismember(, rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum  eig / svd / strtrim	base2base  strjoin gcd exp  gammaln / betaln hypergeom  conj log2 lcm  fix isprime / totient function primes randsample std strep strjust deblank  size  mat2cell(x,ones(size(x,1),1),size(x,2)) bitor
o oddei gan - k - mnoo qrisiuwkkyzi +	any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,s') lower / floor ones ismember numel double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat swap delete from stack duplicate element nnz Not used. Cell array delimiter	any(, 1)  cat diag / spdiags  strfind ndgrid {} uriread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	padarray strsplit streat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum  eig / svd / strtrim	base2base  strjoin gcd exp  gammaln / betain hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample std strrep strjust deblank  size  mat2cell(x,ones(size(x,1),1),size(x,2))