		X	Υ	Z
.	separator .' (transpose) / permute	rot90	system	full
	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	( ) refererence ind. with initial :  Cartesian product
+	+	MOII	conv2	conv2(, 'same')
,		cos	sin	tan
-	- break	setdiff	pause	bitget
,	./	angle	matrix /	unwrap
	Not used	predefined literals	predefined literals	
	Not used	predefined literals	predefined literals	
2 3	Not used Not used	predefined literals predefined literals	predefined literals predefined literals	
4	Not used	predefined literals	prodomica morale	
	Not used	predefined literals		
6 7	Not used Not used	predefined literals predefined literals		
8	Not used	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	nuch life.	why	sparse
@ A	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'))	dec2bin	bin2dec
c	diam (numa Ontar)	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 I	Paste from clipboard H	Copy to clipboard H	col2im	
	Paste from clipboard J  Paste from clipboard J	Copy to clipboard I Copy to clipboard J	COIZIIII	
ĸ	Paste from clipboard K	Copy to clipboard K		
L	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	isnan
	zeros	datestr	datenum	datevec
Р	flip	flipud	pi	pdist2
	increment by 1	accumarray	tril	polyval / roots / polyfit
R S	sort	triu(,1) / build matrix sortrows	tril circshift	tril(,-1) / build matrix sign
т	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 Not used. Array delimiter	ind2sub		<u> </u>
	mod	mod(1)+1	matrix \	
]	end (loops or conditional branches)	sub2ind		
^	. A	sqrt	matrix ^	Cartesian power
-	unary minus dowhile	while	tic	toc
а	any	any(, 1)	padarray	base2base
b	bubble	oot	strsplit	atriain
	char (also for cell array) diff	cat diag / spdiags	strcat blkdiag	strjoin gcd
e	reshape / squeeze			exp
			factor	
	find	strfind	factor	agammala / hatal-
	find logical / cell2mat	ndgrid	gamma / gammainc / betainc	gammain / betain
g h	find			gammaln / betaln hypergeom
g h i	find logical / cell2mat horzcat input input(,'s')	ndgrid {,} urlread real	gamma / gammainc / betainc hankel imread imag	
g h i j k	find logical / cell2mat horzcat input input(,'s') lower / floor	ndgrid {,} urlread	gamma / gammainc / betainc hankel imread imag closest values	hypergeom conj
g h i j k	find logical / cell2mat horzcat input input(,'s')	ndgrid {,} urlread real	gamma / gammainc / betainc hankel imread imag	hypergeom
g h i j k l m n	find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel / size	ndgrid {,} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c.	gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1	hypergeom  conj  log2  icm
g h i j k l m n o	find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity	ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64	gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case	hypergeom  conj  log2 lcm  fix
g h i j k l m n o p	find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity prod	ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,)	gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod	hypergeom  conj  log2 lcm  fix isprime / totient function
g h i j k I m n o p q	find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity	ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn	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	hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample
g hijklmnopqrs	find logical / cell2mat horzcat input inpu	ndgrid {,} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile	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	hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample std
g hijklmnopqrs	find logical / cell2mat horzcat input input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements	ndgrid {,} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	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	hypergeom  conj  log2 lom  fix isprime / totient function primes randsample std strrep
ghi k mnopqrstu	find logical / cell2mat horzcat input inpu	ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn	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	hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample std
g h	find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat swap	ndgrid {} uriread real upper / ceil ismember('rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	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	hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample std std strep stripust
ghi k mnopqrstuvwx	find logical / cell2mat horzcat input input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat swap delete from stack	ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	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	hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample std std strep stripust deblank
ghi k mnopqrstuvw	find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat swap	ndgrid {} urlread real upper / ceil ismember('rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	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	hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample std std strep stripust
ghijklmnopqrstuvwxyz{	find logical / cell2mat horzcat input input input(,'s') lower / floor ones ismember numel / size 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	ndgrid {} urlread real upper / ceil ismember('rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')  clc eye nonzeros / remove whitespace num2cell	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	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))
ghi kimnopqrstuvwxyz{	find logical / cell2mat horzcat input input (,s') lower / floor ones ismember numel / size 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	ndgrid {} {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	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	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
	find logical / cell2mat horzcat input input input(,'s') lower / floor ones ismember numel / size 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	ndgrid {} urlread real upper / ceil ismember('rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')  clc eye nonzeros / remove whitespace num2cell	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	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))