		X	Y	Z
.	separator			£.11
!	.' (transpose) / permute for	rot90 repmat	system repelem (run-length decoding)	full blanks
	specify outputs	display stack (debug)	sound, soundsc, audiowrite	fopen, fwrite, fclose
\$	specify inputs		char(vpa())	fopen, fread, fclose
	comment	class	cast	typecast
	alternative default input/output spec  Not used. String delimiter	intersect	and run-length encoding	bitand now / clock
(	( ) assignment indexing / split	{ } assignment indexing	( ) assignment ind. with final : / split	( ) assignment ind. with initial : / split
	( ) reference indexing	{} reference indexing	( ) reference ind. with final :	( ) reference ind. with initial :
) *	.*	kron	matrix product	Cartesian product
+	+		conv2	conv2(, 'same') / cconv
,	do twice	COS	sin	tan
-	break	setdiff	deconv pause	bitget
,	./	angle	matrix /	unwrap
0	Not used	predefined literals	predefined literals	
	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	predefined literals	
	Not used	predefined literals	predefined literals	
	Not used	predefined literals		
	Not used	predefined literals		
	Not used colon (range)	predefined literals linearize array	comma-separated list	bitset
:	co.c.r (runge)	acos	asin	atan2
1	<	min	cummin	
= [	==	isequal	strcmp	
>	>	max	cummax	
?	if "for" / "do twice" value / "while" index	"for" index	why perms	sparse randperm
	all	all(, 1)	dec2base. Larger base, any symbols	base2dec. Larger base, any symbols
В	logical(dec2bin()-'0')	bin2dec(char(+'0'))	dec2bin	bin2dec
С			im2col	im2col(, 'distinct')
	disp(num2str(,)) / mat2str	disp(num2str())	sprintf / fprintf	disp
	multiply by 2 Not used. False (literal)	replace elements in array	exponents of prime factorization	
	Paste from clipboard G (user-input)	plot	imwrite / imagesc / image / imshow	appearance of graphics / format
	Paste from clipboard H	Copy to clipboard H		
ı	Paste from clipboard I	Copy to clipboard I	col2im	image processing functions
	Paste from clipboard J	Copy to clipboard J		
	Paste from clipboard K Paste from clipboard L (multi-level)	Copy to clipboard K Copy to clipboard L (multi-level)	gallery	
	Paste from clipboard M (function-input)	mode	gancry	
N	stack size	nchoosek (array)	NaN	isnan
	zeros	datestr	datenum	datevec
	flip	flipud	pi	pdist2
	increment by 1 triu	accumarray triu(,1) / build matrix	rat tril	polyval / roots / polyfit / inpolygon tril(,-1) / build matrix
	sort	sortrows	circshift	sign
	Not used. True (literal)		toeplitz	
	str2num / string to array / square	str2double		
	num2str 2 raised to input			
	Not used	regexp	regexprep	
	Not used		inf	isinf
	Not used			
]	Not used. Array delimiter	ind2sub mod(1)+1	matrix \	divisors
ì	end (loops or conditional branches)	mod(1)+1 sub2ind	matrix \	divisors
, J	^	sqrt	matrix ^	Cartesian power
	unary minus / normalize uint8	•		
L	dowhile	while	tic	toc
	bubble	any(, 1)	padarray / unpad array strsplit	base2base
	char (also for cell array)	cat	streat	strjoin / convert to '#' and char 0
d	diff	diag / spdiags	blkdiag	gcd
	reshape / squeeze	ataGarat	f1	ехр
	find	strfind ndgrid	factor gamma / gammainc / betainc	gammaln / betaln
	logical / cell2mat	nagna		
	logical / cell2mat horzcat	{}	hankel	nvpergeom
ĥ	logical / cell2mat horzcat input	{,} urlread	hankel imread	hypergeom
h i j	horzcat input input(,'s')	urlread real	imread imag	conj / real and imag
h i j k	horzcat input input(,'s') lower / floor	urlread real upper / ceil	imread imag closest values	conj / real and imag
h i i k	horzcat input input(,'s') lower / floor ones	urlread real upper / ceil clamp (limit to a range)	imread imag closest values log. With two inputs, specifies base	conj / real and imag
h i j k m	horzcat input input(,'s') lower / floor	urlread real upper / ceil	imread imag closest values	conj / real and imag
h i j k l m n o	horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64	imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case	conj / real and imag log2 lcm fix
h i j k l m n o p	horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity prod	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,)	imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod	conj / real and imag log2 lcm fix isprime / totient function
h i j k l m n o p q	horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity prod decrement by 1	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile	imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime	conj / real and imag log2 lcm fix isprime / totient function primes
h i i k l m n o p	horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity prod	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn	imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi	conj / real and imag log2 lcm fix isprime / totient function primes randsample
h k m n o p q r s	horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity prod decrement by 1 rand	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile	imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime	conj / real and imag log2 lcm fix isprime / totient function primes
hiklmnopqrstu	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	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn	imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum	conj / real and imag  log2 lcm  fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust
hi ki mnopqrstuv	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	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi	conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep
hi k mopqrstuvw	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	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum	conj / real and imag  log2 lcm  fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust
hik mnopqrstuvwx	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	urlread real upper / ceil clamp (ilmit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	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	conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust symmetric range / array / deblank
hijklmnopqrstuvwxyz	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 untz	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum	conj / real and imag  log2 lcm  fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust
hijklmnopqrstuvwxyz{	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	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	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 hypot mat2cell	conj / real and imag  log2 lcm  fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust symmetric range / array / deblank  size  mat2cell(x,ones(size(x,1),1),size(x,2))
hijkimopqrstuvwxyz{	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	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique(,'rows')	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	conj / real and imag  log2 lcm  fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strriust symmetric range / array / deblank  size  mat2cell(x,ones(size(x,1),1),size(x,2)) bitor
hijkimnopqrstuvwxyz{ }	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	urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	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 hypot mat2cell	conj / real and imag  log2 lcm  fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust symmetric range / array / deblank  size  mat2cell(x,ones(size(x,1),1),size(x,2))