		X	Y	Z
.	separator			£.41
!	.' (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 :	() refererence ind. with initial :
*	*	kron	matrix product conv2	Cartesian product
.	do twice	cos	sin	conv2(, 'same') / cconv tan
-	-	setdiff	deconv	
. [break	continue	pause	bitget
/ 0	.I Not used	angle predefined literals	matrix / predefined literals	unwrap
	Not used	predefined literals	predefined literals	
2	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	
7	Not used	predefined literals		
	Not used	predefined literals		
	Not used colon (range)	predefined literals linearize array	comma-separated list	bitset
;	(3-/	acos	asin	atan2
٠.	<	min	cummin	
=	== \	isequal	strcmp	
?	if	max	cummax why	sparse
@	"for" / "do twice" value / "while" index	"for" index	perms	randperm
Ă	all	all(, 1)	dec2base. Larger base, any symbols	base2dec. Larger base, any symbols
B C	logical(dec2bin()-'0')	bin2dec(char(+'0'))	dec2bin im2col	bin2dec im2col(, 'distinct')
	disp(num2str(,)) / mat2str	disp(num2str())	sprintf / fprintf	disp
E	multiply by 2	replace elements in array		
	Not used. False (literal)		exponents of prime factorization	
	Paste from clipboard G (user-input) Paste from clipboard H	Plot Copy to clipboard H	imwrite / imagesc / image / imshow	appearance of graphics / format
ï	Paste from clipboard I	Copy to clipboard I	col2im	image processing functions
	Paste from clipboard J	Copy to clipboard J		and go processing announce
	Paste from clipboard K	Copy to clipboard K		
	Paste from clipboard L (multi-level) Paste from clipboard M (function-input)	Copy to clipboard L (multi-level) mode	gallery	
N	stack size	nchoosek (array)	NaN	isnan
0	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 num2str	str2double		
- 1	2 raised to input			
х	Not used	regexp	regexprep	
	Not used		inf	isinf
	Not used Not used. Array delimiter	ind2sub		
١	mod	mod(1)+1	matrix \	divisors
ĭ	end (loops or conditional branches)	sub2ind		
ŀ	.^ unary minus / normalize uint8	sqrt	matrix ^	Cartesian power
	dowhile			
а		while	tic	toc
	any	while any(, 1)	padarray / unpad array	toc base2base
	bubble	any(, 1)	padarray / unpad array strsplit	base2base
С	bubble char (also for cell array)	any(, 1) cat	padarray / unpad array strsplit strcat	base2base strjoin
c d e	bubble char (also for cell array) diff reshape / squeeze	any(, 1) cat diag / spdiags	padarray / unpad array strsplit strcat blkdiag	base2base
c d e f	bubble char (also for cell array) diff reshape / squeeze find	any(, 1) cat diag / spdiags strfind	padarray / unpad array strsplit streat blkdiag factor	base2base strjoin gcd exp
c d e f g	bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat	any(, 1) cat diag / spdiags strfind ndgrid	padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc	base2base strjoin gcd exp gammain / betain
c d e f g h	bubble char (also for cell array) diff reshape / squeeze find	any(, 1) cat diag / spdiags strfind	padarray / unpad array strsplit streat blkdiag factor	base2base strjoin gcd exp
c d e f g h i j	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 / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imag	base2base strjoin gcd exp gammain / betain
c d e f g h i j k	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 real upper / ceil	padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imrag closest values	base2base strjoin gcd exp gammaln / betaln hypergeom conj / real and imag
cdef ghijkl	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 clamp (limit to a range)	padarray / unpad array strspilt strcat blkdiag factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base	base2base strjoin gcd exp gammaln / betaln hypergeom conj / real and imag
c d e f g h i j k I m	bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel / size	any(, 1) cat diag / spdiags strfind ndgrid {,} urlread real upper / ceil	padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imrag closest values	base2base strjoin gcd exp gammaln / betaln hypergeom conj / real and imag
c defghijklm	bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity	any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64	padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imrag closest values log. With two inputs, specifies base mean poly / interp1 round / change case	base2base strjoin gcd exp gammaIn / betaIn hypergeom conj / real and imag log2 lcm fix
cdef ghijklmnop	bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input input(,s') lower / floor ones ismember numel / size double / cell array to numeric / parity prod	any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,)	padarray / unpad array 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 / real and imag log2 lcm fix isprime / totient function
cdef ghijklmnopq	bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel / size double / cell array to numeric / parity	any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64	padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imrag closest values log. With two inputs, specifies base mean poly / interp1 round / change case	base2base strjoin gcd exp gammaIn / betaIn hypergeom conj / real and imag log2 lcm fix
cdef ghijklmnopqrs	bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input input, input, input floor ones ismember numel / size double / cell array to numeric / parity prod decrement by 1 rand sum	any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile	padarray / unpad array 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	base2base strjoin gcd exp gammaln / betaln hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov
cdefghijklmnopqrst	bubble char (also for cell array) diff reshape / squeeze 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	any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imread imag 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 / real and imag log2 lcm fix isprime / totient function primes randsample std / cov strrep
cd ef ghijkl mnopqrst u	bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input i	any(, 1) cat diag / spdiags strfind ndgrid {,} urlread real upper / ceil clamp (limit to a range) ismember(, 'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn	padarray / unpad array 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 / real and imag log2 lcm fix isprime / totient function primes randsample std / cov strrep stripust
cdef ghijkImnopqrstuv	bubble char (also for cell array) diff reshape / squeeze 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	any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imread imag 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 / real and imag log2 lcm fix isprime / totient function primes randsample std / cov strrep
cdef ghijkl mnopqrst uvw	bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input input input input(in,'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	any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil clamp (limit to a range) ismember(,rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	padarray / unpad array 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 / betaln hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov strrep strjust symmetric range / array / deblank
cdefghijkImnopqrstuvwxy	bubble char (also for cell array) diff reshape / squeeze 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 diff	any(, 1) cat diag / spdiags strfind ndgrid {,} urlread real upper / ceil clamp (limit to a range) ismember(, 'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique(,'rows')	padarray / unpad array 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 / betaIn hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov strrep stripust
cdef ghi jkl mnopqrst uvwxyz	bubble char (also for cell array) diff reshape / squeeze 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	any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil camp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	padarray / unpad array 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 randl cumsum eig / svd / strtrim	base2base strjoin gcd exp gammaln / betaln hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample stid / cov strrep strjust symmetric range / array / deblank
cdefghijkImnopqrstuvwxyz{	bubble char (also for cell array) diff reshape / squeeze 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 diff	any(, 1) cat diag / spdiags strfind ndgrid {,} urlread real upper / ceil clamp (limit to a range) ismember(, 'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique(,'rows')	padarray / unpad array 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 / betaln hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov strrep strjust symmetric range / array / deblank size mat2cell(x,ones(size(x,1),1),size(x,2)) bitor
cdefghijkImnopqrstuvwxyz{ }	bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input input input(injut(i	any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	padarray / unpad array 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 / real and imag log2 licm fix isprime / totient function primes randsample std / cov strrep strjust symmetric range / array / deblank size mat2cell(x,ones(size(x,1),1),size(x,2))