r		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	( ) reference ind. with initial :  Cartesian product
+	+	NOT	conv2	conv2(, 'same')
,		cos	sin	tan
-	break	setdiff	deconv pause	bitget
,	J	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		
	Not used	predefined literals		
	Not used Not used	predefined literals predefined literals		
	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	
?	push "for" value / "while" index	push "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
C	dien/num2etr/	histcounts disp(num2str())	im2col	im2col(, 'distinct')
	disp(num2str(,)) multiply by 2	replace elements in array	sprintf / fprintf	disp
F [	Not used. False (literal)	·		
G	Paste from clipboard G (user-input)	plot	imwrite / imagesc / image / imshow	appearance of graphics / format
H I	Paste from clipboard H Paste from clipboard I	Copy to clipboard H Copy to clipboard I	col2im	
	Paste from clipboard J	Copy to clipboard J		
ĸ	Paste from clipboard K	Copy to clipboard K		
L M	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	tril	polyval / roots / polyfit tril(,-1) / build matrix
s	sort	sortrows	circshift	sign
	Not used. True (literal)	atr2daubla	toeplitz	
	str2num / string to array num2str	str2double	1	
w	2 raised to input			
Х	Not used	regexp	regexprep	
	Not used Not used		inf	isinf
	Not used. Array delimiter	ind2sub		
١	mod	mod(1)+1	matrix \	
,	end (loops or conditional branches)	sub2ind		
			matrix ^	Cartesian nower
	unary minus	sqrt	matrix ^	Cartesian power
	unary minus dowhile	sqrt while	tic	toc
а	dowhile any	sqrt	tic padarray	·
a b	dowhile any bubble	sgrt while any(, 1)	tic padarray strsplit	toc base2base
` a b c d	dowhile any bubble char (also for cell array) diff	sqrt while	tic padarray	toc base2base strjoin gcd
a b c d	dowhile any bubble char (also for cell array) diff reshape / squeeze	sgrt while any(, 1) cat diag / spdiags	tic padarray strsplit strcat blkdiag	toc base2base strjoin
a b c d e f	dowhile any bubble char (also for cell array) diff reshape / squeeze find	sgrt while any(, 1) cat diag / spdiags strfind	tic padarray strsplit strcat blkdiag factor	toc base2base strjoin gcd exp
a b c d e f g h	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat	sgrt  while any(, 1)  cat diag / spdiags  strfind ndgrid {}	tic padarray strsplit stroat blkdiag factor gamma / gammainc / betainc hankel	toc base2base strjoin gcd
a b c d e f g h i	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input	sgrt  while any(, 1) cat diag / spdiags  strfind ndgrid {} urfread	tic padarray strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread	toc base2base  strjoin gcd exp gammain / betain hypergeom
abcdefghij	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s')	sgrt  while any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real	tic padarray strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imag	strjoin gcd exp gammaln / betaln
abcdefghijk	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input	sgrt  while any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil	tic padarray strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread	toc base2base  strjoin gcd exp gammain / betain hypergeom
a b c d e f g h i j k l m	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember	sgrt  while any(, 1) cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember(,'rows')	tic padarray strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean	strjoin gcd exp gammaln / betaln hypergeom conj
a b c d e f g h i j k l m n	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember numel	sgrt  while any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c.	tic padarray strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1	strjoin gcd exp gammaln / betaln hypergeom conj
abcdef ghijklmno	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember	sgrt  while any(, 1) cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember(,'rows')	tic 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	strjoin gcd exp gammain / betain hypergeom conj
abcdef ghijkl mnop	dowhile 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 array prod decrement by 1	sgrt  while any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil  ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile	tic 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	strjoin gcd exp gammain / betain hypergeom conj log2 lcm fix isprime / totient function primes
abcdefghijkImnopqr	dowhile 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 array prod decrement by 1 rand	sgrt  while any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn	tic padarray strsplit strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cun-th prime / next prime randi	toc base2base  strjoin gcd exp  gammaln / betain hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample
a b c d e f g h i j k l m n o p q r	dowhile 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 array prod decrement by 1	sgrt  while any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil  ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile	tic 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	strjoin gcd exp gammain / betain hypergeom conj log2 lcm fix isprime / totient function primes
a b c d e f g h i j k l m n o p q r s t u	dowhile 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 array prod decrement by 1 rand sum duplicate elements unique	sgrt  while any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn	tic padarray 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 cunth prime / next prime randi cumsum	toc base2base  strjoin gcd exp  gammaln / betain hypergeom  conj  log2 icm  fix isprime / totient function primes randsample std strep stripst
abcdef ghilk mnopqrstuv	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cellzmat horzcat input input(,s') lower / floor ones ismember numel double / cell array to numeric array prod decrement by 1 rand sum duplicate elements unique vertcat	sgrt  while any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil  ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	tic padarray strsplit strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cun-th prime / next prime randi	strjoin gcd exp gammaln / betain hypergeom conj log2 lcm fix isprime / totient function primes randsample std strrep
abcdefgh k mnopqrstuvw	dowhile 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 array prod decrement by 1 rand sum duplicate elements unique vertcat swap	sgrt  while 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')	tic padarray 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 cunth prime / next prime randi cumsum	toc base2base  strjoin gcd exp  gammaln / betain hypergeom  conj  log2 icm  fix isprime / totient function primes randsample std strep stripst
abcdefghinklmnopqrstuvwxy	dowhile any bubble char (also for cell array) diff 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 array prod decrement by 1 rand sum duplicate elements unique vertcat swap delete from stack duplicate element	sgrt  while 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')	tic padarray 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 cunth prime / next prime randi cumsum	toc base2base  strjoin gcd exp  gammaln / betain hypergeom  conj  log2 icm  fix isprime / totient function primes randsample std strep stripst
abcdefghijkImnopqrstuvwxyz	dowhile 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 array prod decrement by 1 rand sum duplicate elements unique vertcat swap delete from stack duplicate element nnz	sgrt  while 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')	tic padarray strsplit 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	toc base2base  strjoin gcd exp  gammaln / betain hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample std strrep strjust deblank
abcdefghijkImnopqrstuvwxyz{	dowhile 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 array prod decrement by 1 rand sum duplicate elements unique vertcat swap delete from stack duplicate element nnz Not used. Cell array delimiter	sgrt  while 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')  unique('rows')  clc eye eye nonzeros / remove whitespace num2cell	tic padarray strsplit strcat blikdiag  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  hypot mat2cell	toc base2base  strjoin gcd exp gammaln / betain hypergeom conj log2 lcm fix isprime / totient function primes randsample stid strrep strjust deblank  size mat2cell(x,ones(size(x,1),1),size(x,2))
abcdefgh; k mnopqrstuvwxyz{}	dowhile 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 array prod decrement by 1 rand sum duplicate elements unique vertcat swap delete from stack duplicate element nnz	sgrt  while 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')	tic padarray strsplit 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	toc base2base  strjoin gcd exp  gammaln / betain hypergeom  conj  log2 lcm  fix isprime / totient function primes randsample std strrep strjust deblank