. !		X	Υ	Z
. 1	separator .' (transpose) / permute	rot90	system	full
	for	repmat	repelem (run-length decoding)	blanks
	specify outputs	display stack (debug)	sound, soundsc, audiowrite	fopen, fwrite, fclose
	specify inputs		char(vpa())	fopen, fread, fclose
% &	comment alternative default input/output spec	class intersect	cast and	typecast bitand
۳,	Not used. String delimiter	intersect	run-length encoding	now / clock
(	() assignment indexing / split	{ } assignment indexing	( ) assignment ind. with final : / split	( ) assignment ind. with initial : / split
ì	() reference indexing	{} reference indexing	( ) reference ind. with final :	( ) reference ind. with initial :
*	*	kron	matrix product	Cartesian product
+	+	200	conv2	conv2(, 'same') tan
	_	cos setdiff	sin deconv	tall
	break	continue	pause	bitget
′ [	J	angle	matrix /	unwrap
	Not used	predefined literals	predefined literals	
1	Not used Not used	predefined literals predefined literals	predefined literals predefined literals	
3	Not used	predefined literals	predefined literals	
4	Not used	predefined literals	predefined literals	
	Not used	predefined literals	predefined literals	
6 7	Not used	predefined literals	predefined literals	
8	Not used Not used	predefined literals predefined literals		
9	Not used	predefined literals		
	colon (range)	linearize array	comma-separated list	bitset
; [		acos	asin	atan2
<b>-</b>	<u>&lt;</u>	min isogual	cummin	
	>	isequal max	strcmp cummax	
?	if		why	sparse
@	push "for" value / "while" index	push "for" index	perms	randperm
	all	all(, 1)	dec2base. Larger base, any symbols	base2dec. Larger base, any symbols
B C	logical(dec2bin()-'0')	bin2dec(char(+'0')) histcounts	dec2bin im2col	bin2dec im2col(, 'distinct')
	disp(num2str(,)) / mat2str	disp(num2str())	sprintf / fprintf	disp
Εĺ	multiply by 2	replace elements in array		
	Not used. False (literal)		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 Paste from clipboard I	Copy to clipboard H Copy to clipboard I	col2im	
J	Paste from clipboard J	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	
М	Paste from clipboard M (function-input)	mode	NI-NI	
N O	stack size zeros	nchoosek (array) datestr	NaN datenum	isnan datevec
	flip	flipud	pi	pdist2
Q	increment by 1	accumarray		polyval / roots / polyfit
R	triu	triu(,1) / build matrix	tril	tril(,-1) / build matrix
S T	Not used. True (literal)	sortrows	circshift toeplitz	sign
ΰΙ	str2num / string to array / square	str2double	toepiitz	
v	num2str			
	2 raised to input			
	Not used Not used	regexp	regexprep inf	isinf
	Not used		1111	ISITII
	Not used. Array delimiter	ind2sub		
	mod	mod(1)+1	matrix \	divisors
ļ	end (loops or conditional branches)	sub2ind		
- 1	unary minus	sqrt		Cortogian namer
			matrix ^	Cartesian power
L	dowhile	while	matrix " tic	Cartesian power toc
a	dowhile any	while any(, 1)	tic padarray / unpad array	·
a b	dowhile any bubble	any(, 1)	tic padarray / unpad array strsplit	toc base2base
a b c	dowhile any bubble char (also for cell array)	any(, 1) cat	tic padarray / unpad array strsplit strcat	toc base2base strjoin
a b c	dowhile any bubble char (also for cell array) diff	any(, 1)	tic padarray / unpad array strsplit	toc base2base strjoin gcd
a b c d e f	dowhile any bubble char (also for cell array) diff reshape / squeeze find	any(, 1)  cat diag / spdiags  strfind	tic padarray / unpad array strsplit strcat blkdiag factor	toc base2base strjoin gcd exp
a b c d e f	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat	any(, 1)  cat diag / spdiags  strfind ndgrid	tic padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc	strjoin gcd exp gammaln / betaln
a b c d e f g	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat	any(, 1)  cat diag / spdiags  strfind ndgrid {}	tic padarray / unpad array strsplit stroat blkdiag factor gamma / gammainc / betainc hankel	toc base2base strjoin gcd exp
a a b c d e f g	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input	any(, 1)  cat diag / spdiags  strfind ndgrid	tic padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread	toc base2base strjoin gcd exp gammaln / betain hypergeom
a b c d e f g h i j k	dowhile 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 real upper / ceil	tic padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imag closest values	toc base2base  strjoin gcd exp gammaln / betaln hypergeom  conj / real and imag
abcdef ghijkl	dowhile 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 clamp (limit to a range)	tic padarray / unpad array strsplit strstidat blkdiag factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base	toc base2base  strjoin gcd exp  gammain / betain hypergeom conj / real and imag
_`abcdefghijklm	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones ismember	any(, 1)  cat diag / spdiags  strfind ndgrid {} urlread real upper / ceil clamp (limit to a range) ismember(, rows')	tic padarray / unpad array strsplit strcat blkdiag  factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean	toc base2base  strjoin gcd exp gammaln / betaln hypergeom  conj / real and imag
_ abcdefghijkImn	dowhile 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 clamp (limit to a range)	tic padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1	toc base2base  strjoin gcd exp  gammain / betain hypergeom conj / real and imag
_ abcdefghijklmnop	dowhile any 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	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,)	tic 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	strjoin gcd exp gammain / betain hypergeom conj / real and imag log2 icm fix isprime / totient function
_ abcdefghijklmnop	dowhile any 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	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	tic 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	strjoin gcd exp gammaln / betaln hypergeom conj / real and imag 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 / size double / cell array to numeric / parity prod decrement by 1 rand	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	tic padarray / unpad array strsplit strsplit strkdiag factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cunth prime / next prime randi	toc base2base  strjoin gcd exp  gammaln / betaln hypergeom conj / real and imag  log2 lcm fix isprime / totient function primes randsample
_ abcdefgh; k mnopqr	dowhile any 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	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	tic 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	strjoin gcd exp gammaln / betaln hypergeom conj / real and imag log2 lcm fix isprime / totient function primes
a abcdefghi k mnopqrstu	dowhile any 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	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	tic padarray / unpad array 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 cunth prime / next prime randi cumsum	toc base2base  strjoin gcd exp  gammaln / betain hypergeom  conj / real and imag  log2 lcm  fix isprime / totient function primes randsample std / cov strrep strjust
_ abcdefgh; k mnopqrstuv	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cellzmat 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	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,)	tic padarray / unpad array strsplit strsplit strkdiag factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean poly / interp1 round / change case cunth prime / next prime randi	toc base2base  strjoin gcd exp gammaln / betaIn hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov 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 / size double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat swap	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')	tic padarray / unpad array 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 cunth prime / next prime randi cumsum	toc base2base  strjoin gcd exp  gammaln / betain hypergeom  conj / real and imag  log2 lcm  fix isprime / totient function primes randsample std / cov strrep strjust
_ abcdefgh   k   mnopqrstuvwx	dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input input(,'s') lower / floor ones sismember 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')	tic padarray / unpad array strsplit strsplit strcata 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 cumsum	toc base2base  strjoin gcd exp  gammaln / betaln hypergeom  conj / real and imag  log2 lom  fix isprime / totient function primes randsample std / cov strrep strjust deblank / symmetric range
— abcdefghi k mnopgrstuvwxy	dowhile any 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	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')	tic padarray / unpad array 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 cunth prime / next prime randi cumsum	toc base2base  strjoin gcd exp  gammaln / betain hypergeom  conj / real and imag  log2 lcm  fix isprime / totient function primes randsample std / cov strrep strjust
- 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 / 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	any(, 1)  cat diag / spdiags  strfind ndgrid {} uriread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	tic 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  hypot mat2cell	toc base2base  strjoin gcd exp gammaln / betaIn hypergeom conj / real and imag  log2 lcm fix isprime / totient function primes randsample stid / cov strrep strjust deblank / symmetric range  size mat2cell(x,ones(size(x,1),1),size(x,2))
- abcdefgh; k mnopqrstuvwxyz{	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 / 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	any(, 1)  cat diag / spdiags  strfind ndgrid {,} urlread real upper / ceil cdamp (limit to a range) ismember(, rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	tic padarray / unpad array strsplit strsplit strsdat 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 / betaln hypergeom  conj / real and imag  log2 lcm  fix isprime / totient function primes randsample std / cov strrep strriust deblank / symmetric range  mat2cell(x,ones(size(x,1),1),size(x,2)) bitor
	dowhile any 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 nnz Not used. Cell array delimiter	any(, 1)  cat diag / spdiags  strfind ndgrid {} uriread real upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	tic 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  hypot mat2cell	toc base2base  strjoin gcd exp gammaln / betaIn hypergeom conj / real and imag  log2 lcm fix isprime / totient function primes randsample stid / cov strrep strjust deblank / symmetric range  size mat2cell(x,ones(size(x,1),1),size(x,2))