!		X	Υ	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 :	() reference ind. with initial :
) *	*	kron	matrix product	Cartesian product
+	+		conv2	conv2(, 'same')
,	do twice	COS	sin	tan
-	break	setdiff continue	deconv pause	bitget
;	J	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
:	Colon (lange)	acos	asin	atan2
1	<	min	cummin	
= [==	isequal	strcmp	
>	>	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
С		histcounts	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	minute / mageee / mage / monen	appearance of grapmos / format
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	gallery	
	Paste from clipboard M (function-input)	Copy to clipboard L (multi-level) mode	gallery	
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)	oo.u.owo	toeplitz	c.g.:
	str2num / string to array / square	str2double		
	num2str			
	2 raised to input Not used	regexp	regexprep	
	Not used	regexp	inf	isinf
	Not used			
[Not used. Array delimiter			
, I	mad .	ind2sub	matrix)	divia
١	mod	mod(1)+1	matrix \	divisors
١	mod end (loops or conditional branches)	mod(1)+1 sub2ind		
\] ^ _	.^ unary minus	mod(1)+1	matrix \ matrix ^	divisors Cartesian power
\] ~ -	.^ unary minus dowhile	mod(1)+1 sub2ind sgrt while	matrix ^ tic	Cartesian power toc
\] ^ _ a	.^ unary minus dowhile any	mod(1)+1 sub2ind sqrt	matrix ^ tic padarray / unpad array	Cartesian power
\] ~ - a b	.^ unary minus dowhile any bubble	mod(1)+1 sub2ind sqrt while any(, 1)	matrix ^ tic padarray / unpad array strsplit	Cartesian power toc base2base
\]^ - a b c	.^ unary minus dowhile any	mod(1)+1 sub2ind sgrt while	matrix ^ tic padarray / unpad array	Cartesian power toc
\]^ a b c d e	.^ unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze	mod(1)+1 sub2ind sqrt while any(, 1) cat diag / spdiags	matrix ^ tic padarray / unpad array strsplit strcat blkdiag	Cartesian power toc base2base strjoin
\]^ _ abcdef	.^ unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find	mod(1)+1 sub2ind sqrt while any(, 1) cat diag / spdiags strfind	matrix ^ tic padarray / unpad array strsplit strcat blkdiag factor	Cartesian power toc base2base strjoin gcd exp
\]^ abcdeeff	A unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat	mod(1)+1 sub2ind sqrt while any(, 1) cat diag / spdiags strfind ndgrid	matrix ^ tic padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc	Cartesian power toc base2base strjoin gcd exp gammaln / betaln
\]^- abcdef gh	A unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat	mod(1)+1 sub2ind sgrt while any(, 1) cat diag / spdiags strfind ndgrid {}	matrix ^ tic padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel	Cartesian power toc base2base strjoin gcd exp
\] ^ _ a b c d e f g h	A unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat	mod(1)+1 sub2ind sqrt while any(, 1) cat diag / spdiags strfind ndgrid	matrix ^ tic padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc	Cartesian power toc base2base strjoin gcd exp gammaln / betaln
\]^ _ abcdefghijk	A unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor	mod(1)+1 sub2ind sgrt while any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil	matrix ^ tic padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imrag closest values	Cartesian power toc base2base strjoin gcd exp gammain / betain hypergeom conj / real and imag
\]^ = abcdefghijkI	.^ unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones	mod(1)+1 sub2ind sqrt while any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil clamp (limit to a range)	matrix ^ tic padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imread imlead iclosest values log. With two inputs, specifies base	Cartesian power toc base2base strjoin gcd exp gammaIn / betaIn hypergeom conj / real and imag
\]^	.^ unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input,,'s') lower / floor ones ismember	mod(1)+1 sub2ind sqrt while any(, 1) cat diag / spdiags strfind ndgrid {,} urlread real upper / ceil cdamp (limit to a range) ismember(, rows')	matrix ^ tic padarray / unpad array strsplit stroat blkdiag factor gamma / gammainc / betainc hankel imread imag closest values log. With two inputs, specifies base mean	Cartesian power toc base2base strjoin gcd exp gammain / betain hypergeom conj / real and imag
\ abcdefghijkImn	.^ unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input(,'s') lower / floor ones	mod(1)+1 sub2ind sqrt while any(, 1) cat diag / spdiags strfind ndgrid {} urlread real upper / ceil clamp (limit to a range)	matrix ^ tic padarray / unpad array strsplit strcat blkdiag factor gamma / gammainc / betainc hankel imread imread imlead iclosest values log. With two inputs, specifies base	Cartesian power toc base2base strjoin gcd exp gammaIn / betaIn hypergeom conj / real and imag
\]^ _ abcdef ghijkImnop	.^ unary minus 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	mod(1)+1 sub2ind sqrt while 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,)	matrix ^ 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	Cartesian power toc base2base strjoin gcd exp gammain / betain hypergeom conj / real and imag log2 lcm fix isprime / totient function
\]^ _ abcdefghijkImnopq	A unary minus 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	mod(1)+1 sub2ind sqrt while 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	matrix ^ 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	Cartesian power toc base2base strjoin gcd exp gammaln / betain hypergeom conj / real and imag log2 lcm fix isprime / totient function primes
\	A unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell/2mat horzcat input input input input input ismember numel / size double / cell array to numeric / parity prod decrement by 1 rand	mod(1)+1 sub2ind sqrt while 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	matrix ^ tic 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	Cartesian power toc base2base strjoin gcd exp gammain / betain hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample
\	.^ unary minus 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	mod(1)+1 sub2ind sqrt while 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	matrix ^ 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	Cartesian power toc base2base strjoin gcd exp gammaln / betaIn hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov
\	A unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell/2mat horzcat input input input input input ismember numel / size double / cell array to numeric / parity prod decrement by 1 rand	mod(1)+1 sub2ind sqrt while 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	matrix ^ tic 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	Cartesian power toc base2base strjoin gcd exp gammain / betain hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample
\	.^ unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input input input input input isize double / cell array to numeric / parity prod decrement by 1 rand sum duplicate elements unique vertcat	mod(1)+1 sub2ind sqrt while 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,)	matrix ^ tic 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	Cartesian power toc base2base strjoin gcd exp gammaln / betaln hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov strrep
. ^ _ abcdefgh; k mnopqrstuvw	A unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input in	mod(1)+1 sub2ind sqrt while any(, 1) cat diag / spdiags strfind ndgrid {,} urfread real upper / ceil clamp (limit to a range) ismember(, rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique(,'rows')	matrix ^ 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 randi cumsum	Cartesian power toc base2base strjoin gcd exp gammaln / betaln hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov strrep stripust
. I. abcdef ghi kimnopqrstuvwx	.^ unary minus 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	mod(1)+1 sub2ind sqrt while 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')	matrix ^ 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 randi cumsum	Cartesian power toc 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
\]^ _ abcdef ghijkImnopqrstuvwxy	A unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell2mat horzcat input input input input input 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 double / cell array to numeric / parity prod decrement by 1 rand sum decrement by 1 decrement by 1 decrement by 1 decrement sumique vertcat swap delete from stack duplicate element	mod(1)+1 sub2ind sqrt while any(, 1) cat diag / spdiags strfind ndgrid {} urlread real clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows')	matrix ^ 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 randi cumsum	Cartesian power toc base2base strjoin gcd exp gammaln / betaln hypergeom conj / real and imag log2 lcm fix isprime / totient function primes randsample std / cov strrep stripust
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\	.^ unary minus dowhile any bubble char (also for cell array) diff reshape / squeeze find logical / cell/2mat 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	mod(1)+1 sub2ind sqrt while any(, 1) cat diag / spdiags strfind ndgrid {,} urfread real upper / ceil clamp (limit to a range) ismember(, 'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique(,'rows')	matrix ^ 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 randi cumsum eig / svd / strtrim hypot	Cartesian power toc 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
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