-		X	Y	Z
	separator			E. III
! .	' (transpose) / permute	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	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	Cartesian product
†	do twice	cos	conv2 sin	conv2(, 'same') / cconv tan
·	·	setdiff	deconv	Carr
. 1	oreak	continue	pause	bitget
/		angle	matrix /	unwrap
	Not used Not used	predefined literals predefined literals	predefined literals predefined literals	
	Not used	predefined literals	predefined literals	
3	Vot 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 illerais	
8 /	Vot used	predefined literals		
	Vot used	predefined literals		hitoot
: (colon (range)	linearize array	comma-separated list asin	bitset atan2
, <	<	acos min	cummin	atanz
= [==	isequal	strcmp	
>		max	cummax	
?	for" / "do tuico" value / "while" index	"for" index	why	sparse
	for" / "do twice" value / "while" index	"for" index all(, 1)	perms dec2base. Larger base, any symbols	randperm base2dec. Larger base, any symbols
вΪ	ogical(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	fft, nfft
	Paste from clipboard G (user-input)	plot	imwrite / imagesc / image / imshow	appearance of graphics / format
H	Paste from clipboard H	Copy to clipboard H		
	Paste from clipboard I	Copy to clipboard I	col2im	image processing functions
	Paste from clipboard J Paste from clipboard K	Copy to clipboard J Copy to clipboard K		
	Paste from clipboard L (multi-level)	Copy to clipboard L (multi-level)	gallery	
	Paste from clipboard M (function-input)	mode		
	stack size	nchoosek (array)	NaN	isnan
	zeros Ilip	datestr flipud	datenum pi	datevec pdist2
	ncrement by 1	accumarray	rat	polyval / roots / polyfit / inpolygon
R	riu	triu(,1) / build matrix	tril	tril(,-1) / build matrix
	sort	sortrows	circshift	sign / fftshift
	Not used. True (literal) str2num / string to array / square	str2double	toeplitz	
	num2str	St 2doddie		
	2 raised to input			
	Not used	regexp	regexprep	ininf
	Not used Not used		inf	isinf
	Not used. Array delimiter	ind2sub		
۱ ا	nod	mod(1)+1	matrix \	divisors
,	end (loops or conditional branches)	sub2ind	matrix nower or our of matrix nower	Cartesian nower
-	unary minus / normalize uint8	sqrt	matrix power, or sum of matrix powers	Cartesian power
	dowhile	while	tic	toc
	any	any(, 1)	padarray / unpad array	base2base
	char (also for cell array)	cat	strsplit strcat	strjoin / convert to '#' and char 0
	diff	diag / spdiags	blkdiag	gcd
e ī	eshape / squeeze		•	exp
_	ind	strfind	factor	
_	ogical / cell2mat norzcat	ndgrid / \	gamma / gammainc / betainc hankel	gammaln / betaln hypergeom
	nput	{,} urlread	imread	inyporgeom
j			imag	conj / real and imag
	nput(,'s')	real		
	ower / floor	upper / ceil	closest values	,
I	ower / floor ones	upper / ceil clamp (limit to a range)	closest values log. With two inputs, specifies base	log2
l d m i	ower / floor	upper / ceil	closest values	,
l d m i n r	ower / floor ones smember	upper / ceil clamp (limit to a range) ismember(,'rows')	closest values log. With two inputs, specifies base mean	log2
m in r	ower / floor ones smember numel / size fouble / cell array to numeric / parity orod	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,)	closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod	log2 lcm fix isprime / totient function
I m in root p p	ower / floor ones smember numel / size flouble / cell array to numeric / parity orod decrement by 1	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile	closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime	log2 Icm fix isprime / totient function primes
m in rocal	ower / floor ones smember numel / size fouble / cell array to numeric / parity orod	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn	closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod	log2 lcm fix isprime / totient function
I m in roo cop p cop roo s	ower / floor ones smember numel / size double / cell array to numeric / parity orod decrement by 1 and sum duplicate elements	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi	log2 lcm fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep
m ii n r o c q c r r s s t u	ower / floor ones smember numel / size flouble / cell array to numeric / parity orod decrement by 1 and sum duplicate elements unique	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn	closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum	log2 Icm fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust
I om in n n n n n n n n n n n n n n n n n n	ower / floor ones smember numel / size double / cell array to numeric / parity orod decrement by 1 and sum duplicate elements unique	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi	log2 lcm fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep
I m in n o p p r r s t u v v	ower / floor ones smember numel / size flouble / cell array to numeric / parity orod decrement by 1 and sum duplicate elements unique	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,)	closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum	log2 Icm fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust
I m i i i i i i i i i i i i i i i i i i	ower / floor ones smember numel / size double / cell array to numeric / parity orod decrement by 1 and sum fuplicate elements unique verteat swap	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique(,'rows')	closest values log. With two inputs, specifies base mean poly / interp1 round / change case cumprod n-th prime / next prime randi cumsum	log2 Icm fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust
I m ii m n o o o o o o o o o o o o o o o o o o	ower / floor ones smember numel / size double / cell array to numeric / parity orod decrement by 1 and sum Juplicate elements unique vertcat swap Juplicate element Juplicate element Juplicate elements Juplicate element	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows') clc eye nonzeros / remove whitespace	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	log2 Icm fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust symmetric range / array / deblank size
I m ii n o o o o o o o o o o o o o o o o o	ower / floor ones smember numel / size double / cell array to numeric / parity orod decrement by 1 and sum duplicate elements unique vertcat swap delete from stack duplicate element nuz vot used. Cell array delimiter	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows') clc eye nonzeros / remove whitespace num2cell	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	log2 Icm 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))
I m ii n n n n n n n n n n n n n n n n n	ower / floor ones smember numel / size double / cell array to numeric / parity orod decrement by 1 and sum Juplicate elements unique vertcat swap Juplicate element Juplicate element Juplicate elements Juplicate element	upper / ceil clamp (limit to a range) ismember(,'rows') nchoosek (numbers) / multinomial c. int64 prod(, 1,) quantile randn sum(, 1,) unique('rows') clc eye nonzeros / remove whitespace	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	log2 Icm fix isprime / totient function primes randsample std / cov / skewness / kurtosis strrep strjust symmetric range / array / deblank size