

Logical Functions

`find(logical expression)`

returns indices where true

`x = [0 4 3 5 7]`

`find(x > 3)`

`[2 4 5]`

Array Slicing

`y = find(x > 3)`

`x(y)`

`[4 5 7]`

`find(logical expression, limit)`

returns the indices the first limit time logical expression is true

`find(x > 3, 2)`

`[2, 4]`

`find(logical expression, limit, "last")`

`find(x > 3, 2, "last")`

`[4 5]`

Multidimensional Arrays

`x = [1 2 4
3 6 1
5 7 9]`

`y = find(x > 5)`

`y = [5 6 9]`

`x(y)`

`[6 7 9]`

`[row, col] = find(x > 5)`

`row = [2 3 3]`

`col = [2 2 3]`

A Shortcut

`x(x > 5)`

`y = find(x > 5)`

`x(y)`

`x(find(x > 5))`

Length Function

`x = [0 4 3 5 7]`

`length(x)`

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