

---

```

(1 + 10^-16 - 1) * 10^16
(1 + 10^-15 - 1) * 10^15
exp(i * pi)
log(-1) * -i
m = [1 2; 3 4]; m(3)
m = [1 2 3; 4 5 6; 7 8 9]; m(7)
sum(ones(2))
sum(sum(ones(2)))
1 ~= 1
f = @(x)(x + rand); f(1) == f(1)
rng(1); f = @(x)(x + rand); f(1) == f(1)
m = [0 i; 0 0]'; m(2, 1)
0.1 + 0.1 + 0.1 - 0.3
0.1 * 3 - 0.3
m = ones(2) / zeros(2); m(2, 2)
m = ones(2) \ zeros(2); m(2, 2)
m = diff([1 2 3]) + [1 2 3]; m(1)
m = diff(1:3) + 1:3; m(1)
i == j
i = 3; 1 * i + 1
i = 3; 1i + 1
length([1 2; 3 4])
length([1 2; 3 4; 5 6]')
x = 2; 1 < x < 3
x = 4; 1 < x < 3
x = 0; 1 < x < 3
max(1, 0/0)
max(1, 1/0)
any([0, 0/0])
all([1, 0/0])

```

*ans* =

0

*ans* =

1.1102

*ans* =

-1.0000 + 0.0000i

*ans* =

3.1416

---

ans =

2

ans =

3

ans =

2 2

ans =

4

ans =

logical

0

ans =

logical

0

ans =

logical

0

ans =

0.0000 - 1.0000i

ans =

5.5511e-17

ans =

5.5511e-17

---

*Warning: Matrix is singular to working precision.*

*ans =*

*Inf*

*Warning: Matrix is singular to working precision.*

*ans =*

*NaN*

*Arrays have incompatible sizes for this operation.*

*Error in CS368\_L14 (line 17)  
m = diff([1 2 3]) + [1 2 3]; m(1)*

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