rem(10,3)

ans =

1

mod(10,3)

ans =

1

rem(10,3.1)

ans =

0.7000

**%vectores**

a=[3 4 2 7 9 6 8];

a(mod(a,3)==0) %seleccionar los mult. de 3

ans =

3 9 6

%matrices

x=[3 2 7; 4 1 8; 6 5 2]

x =

3 2 7

4 1 8

6 5 2

x(2,3)

ans =

8

x(3,3)

ans =

2

x

x =

3 2 7

4 1 8

6 5 2

x(3,2)=3

x =

3 2 7

4 1 8

6 3 2

x(2,3)+x(1,2)

ans =

10

x(3,2)=5

x =

3 2 7

4 1 8

6 5 2

x(2:3,1:2)

ans =

4 1

6 5

x(1:2:3,1:2)

ans =

3 2

6 5

x(1:3,3:-1:1)

ans =

7 2 3

8 1 4

2 5 6

x

x =

3 2 7

4 1 8

6 5 2

fliplr(x)

ans =

7 2 3

8 1 4

2 5 6

flipud(x)

ans =

6 5 2

4 1 8

3 2 7

rot90(x)

ans =

7 8 2

2 1 5

3 4 6

x'

ans =

3 4 6

2 1 5

7 8 2

x(3:-1:1,1:3)

ans =

6 5 2

4 1 8

3 2 7

x(3:-1:1,:)

ans =

6 5 2

4 1 8

3 2 7

x(3:-1:1,1:end)

ans =

6 5 2

4 1 8

3 2 7

x(:,:)

ans =

3 2 7

4 1 8

6 5 2

length(a)

ans =

7

[f c]=size(x)

f =

3

c =

3

[f c]=size(a)

f =

1

c =

7

x

x =

3 2 7

4 1 8

6 5 2

inv(x)

ans =

-0.5938 0.4844 0.1406

0.6250 -0.5625 0.0625

0.2188 -0.0469 -0.0781

y=x

y =

3 2 7

4 1 8

6 5 2

y(3,5)

{??? Index exceeds matrix dimensions.}

y(3,5)=4

y =

3 2 7 0 0

4 1 8 0 0

6 5 2 0 4

y(:,4:5)=[]

y =

3 2 7

4 1 8

6 5 2

y(2,2)=[]

{??? Subscripted assignment dimensión mismatch.}

a=[x,y(:,1);[2 3 1 7];a(1:4)]

a =

3 2 7 3

4 1 8 4

6 5 2 6

2 3 1 7

3 4 2 7

a(:,2:3)=[]

a =

3 3

4 4

6 6

2 7

3 7

x

x =

3 2 7

4 1 8

6 5 2

x(2,2)

ans =

1

x(2)

ans =

4

x(5)

ans =

1

d=1:10;

d=linspace(1,10,10)

d =

Columns 1 through 7

1 2 3 4 5 6 7 8 9 10

d=linspace(1,10,4)

d =

1 4 7 10

d=linspace(1,10,5)

d =

Columns 1 through 4

1.0000 3.2500 5.5000 7.7500 10.0000

ones(2,4)

ans =

1 1 1 1

1 1 1 1

ones(3)

ans =

1 1 1

1 1 1

1 1 1

ones(1,5)

ans =

1 1 1 1 1

ones(5,1)

ans =

1

1

1

1

1

zeros(2,3)

ans =

0 0 0

0 0 0

clc

w=zeros(3,3)

w =

0 0 0

0 0 0

0 0 0

w(1:2:3,2)=1

w =

0 1 0

0 0 0

0 1 0

w(2,1:2:3)=1

w =

0 1 0

1 0 1

0 1 0

w=zeros(7)

w =

0 0 0 0 0 0 0

0 0 0 0 0 0 0

0 0 0 0 0 0 0

0 0 0 0 0 0 0

0 0 0 0 0 0 0

0 0 0 0 0 0 0

0 0 0 0 0 0 0

w(1:2:end,2:2:end)=1

w =

0 1 0 1 0 1 0

0 0 0 0 0 0 0

0 1 0 1 0 1 0

0 0 0 0 0 0 0

0 1 0 1 0 1 0

0 0 0 0 0 0 0

0 1 0 1 0 1 0

w(2:2:end,1:2:end)=1

w =

0 1 0 1 0 1 0

1 0 1 0 1 0 1

0 1 0 1 0 1 0

1 0 1 0 1 0 1

0 1 0 1 0 1 0

1 0 1 0 1 0 1

0 1 0 1 0 1 0

w=zeros(7);

w(1:2:end,2:2:end)=1;

w(2:2:end,1:2:end)=1

w =

0 1 0 1 0 1 0

1 0 1 0 1 0 1

0 1 0 1 0 1 0

1 0 1 0 1 0 1

0 1 0 1 0 1 0

1 0 1 0 1 0 1

0 1 0 1 0 1 0

w=zeros(7);

w(2:2:49)=1

w =

0 1 0 1 0 1 0

1 0 1 0 1 0 1

0 1 0 1 0 1 0

1 0 1 0 1 0 1

0 1 0 1 0 1 0

1 0 1 0 1 0 1

0 1 0 1 0 1 0

x

x =

3 2 7

4 1 8

6 5 2

sum(x)

ans =

13 8 17

sum(sum(x))

ans =

38

max(x)

ans =

6 5 8

max(max(x))

ans =

8

[m i ] = max(a)

m =

6 7

i =

3 4

a

a =

3 3

4 4

6 6

2 7

3 7

a=[2 4 6 2 3]

a =

2 4 6 2 3

[m i ] = max(a)

m =

6

i =

3

a

a =

2 4 6 2 3

find(a>3)

ans =

2 3

find(a==max(a))

ans =

3

x

x =

3 2 7

4 1 8

6 5 2

find(x==max(max(x)))

ans =

8

find(x==min(min(x)))

ans =

5

x

x =

3 2 7

4 1 8

6 5 2

cumsum(x)

ans =

3 2 7

7 3 15

13 8 17

sort(x)

ans =

3 1 2

4 2 7

6 5 8