















Vectorized element-by-element arithmetic operations on arrays	
A dot (.) is necessary in front of these math operators	
	10



























```
Coloring a polygon (fill)
% Draw a rectangle with the lower-left
% corner at (a,b), width w, height h,
% and fill it with a color named by c.
x= [a a+w a+w a [a]; % x data
y= [b b b+h b+h [b]; % y data
fill(x, y, c)
Built-in function fill actually does
the "wrap-around" automatically.
```



Another twinkling constellation

- Write a script that generate 9 random positions—the configuration of my constellation
- Simulate 10 rounds of twinkling
 - In each round, each star is equally likely to be lit or black
- Can you add some random adjustment to the color of the star?
- *Optional:* allow the user to set the constellation by clicking on the figure

Example

- Write a program fragment that calculates the cumulative sums of a given vector **v**.
- The cumulative sums should be stored in a vector of the same length as **v**.
 - I, 3, 5, 0 **v** I, 4, 9, 9 cumulative sums of **v**



