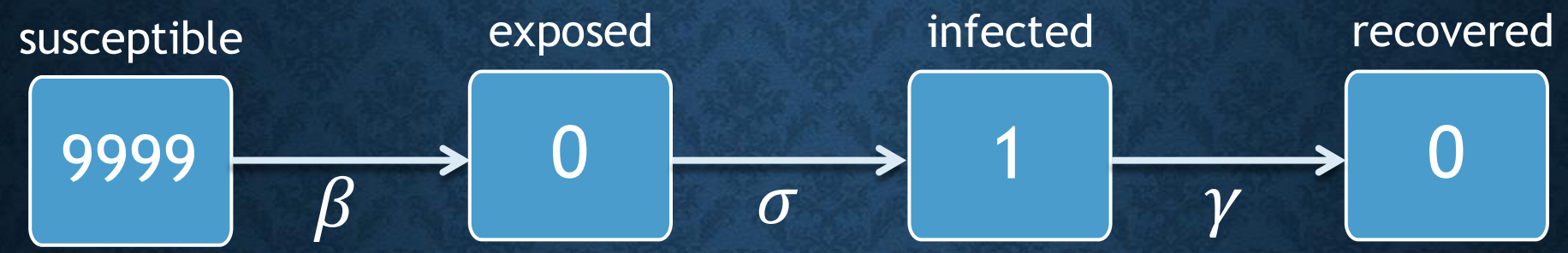What does it mean to run the model?
- for each time step, how many people are in each compartment?
- model output saves number of people at each time
- model will run for the number of days you set

susceptible   exposed   infected   recovered

| 9999 | β → | 0 | σ → | 1 | γ → | 0 |

1. model structure: model function
2. model parameters/inputs
   1. values for parameters: params
   2. values for inputs: xstart
   3. time to run: times
3. run model

Time	S	E	I	R
0	9999	0	1	0
1	9909	88	3	0
2	9800	100	90	10
3				
4				
5				
6				