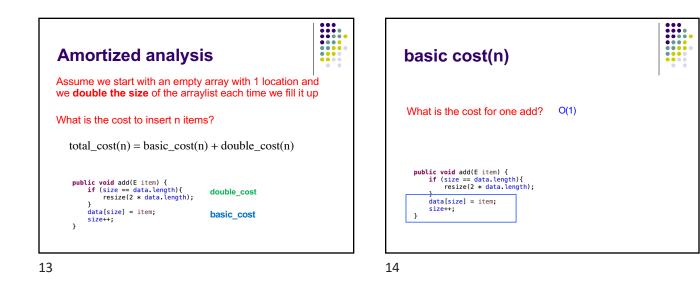


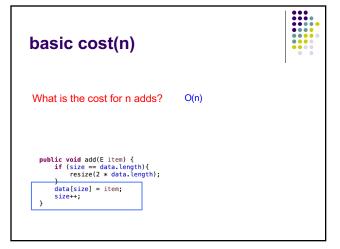
Amortized analysis

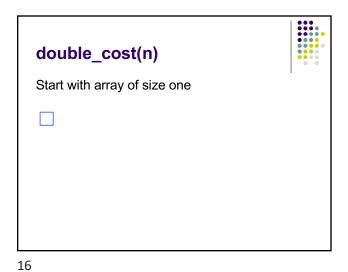
Many approaches for doing amortized analysis

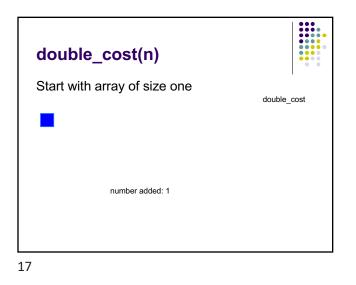
Aggregate method

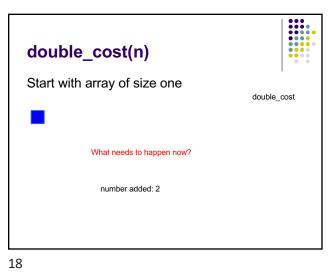
- figure out the big-O runtime for a sequence of *n* calls
- divide by *n* to get the average run-time per call

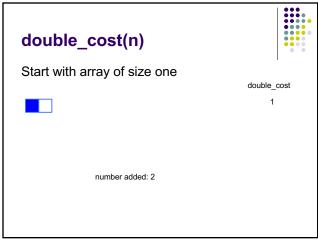


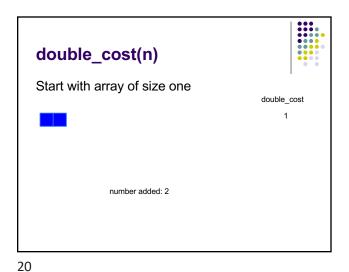




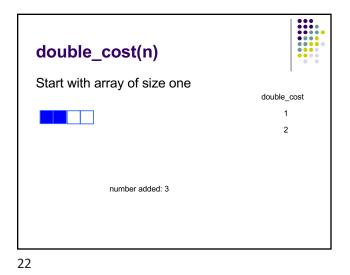


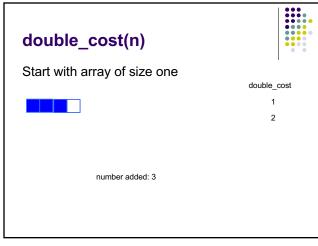


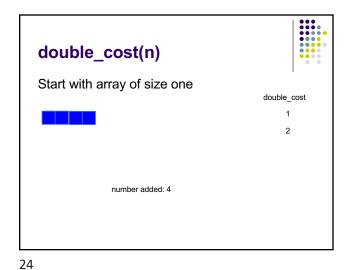




double_cost(n) Start with array of size one	
	double_cost
	1
What needs to happen now?	
number added: 3	
21	







double_cost(n)	
Start with array of size one	
-	double_cost
	1
	2
What needs to happen now?	
number added: 5	
25	

double_cost(n)	
Start with array of size one	
	double_cost
	1
	2
What needs to happen now?	4
number added: 5	

