CSE 312: Foundations of Computing II QuickCheck: Permutations and Combinations (due Thursday, September 28)	
	ad sugar ought four different candies for your four kids. You decided that you will give one candy to each kid.
(a)	In how many different ways can you distribute the candies?
` ,	On the way home, you get bit by a magical spider, and you become evil. Now, you have no problem with a child getting more than one candy or a child getting no candy. However, you make sure that each candy goes to some child. In how many different ways can you distribute the candies?
	After distributing the original candy, you buy 8 more different candies. Because you are still evil, your favorite child is Sharpnel. You have decided to give Sharpnel 5 candies, and one candy to each of the remaining three. In how many different ways can you distribute the candies?