	any help, or used any non-permitted resources, while Warg
	Quiz #3
1.	The "rine different elements from X" represents
	the amount of pigeons (n) in this problem.
	The pigeonholes are represented by all the different
	ways to add two distnot elements and get 17.
	These projectholes (K) would be represented by
	{1,163, {2,153, {3,143, {4,133, {5,123, 96,113}
	77,103, 99,83
	From this we see that:
	pigeins(n) = 9
	progeonholes (K) = 8
	Because nine different elements are chosen from X, it
4	is inevitable that I wo numbers in the set of nine
	elements will add up to 17 because nck, by the
	progeonhole principle. For example:
	2 2 2 2 2 2
	3 3 3 3 3 3
	4 4 4 4 7 14
	P C
	7 77 11 13 15 10
	87.7 9 17 12 14 16 9
	9-17 10-1 13 15 10 8
	These are a few examples of how a set with
	9 elements would always have two elements that
	add up to 17. Basically, picking 9 elements guarantees
	you pick at least one element from all the
	pigeonholes, with the last element belonging to the
	Same pigeonhole as another.
Diagram:	IN [N] N [N] N N N N N N N N N N N N N N
	Too many progeons to fit in 8 progeonholes,

(5).3! 60 strings