CS 325 - Hamework 3		Alexis	Doyle
#1 (a) Create a for loop for the day since you may only drive durning the day. While (Mace !=	destination) {		
A white 100p would oilso work, white != destination.	t of moreus) E		
	(hotel distance	'd' lest int	sei) \$
distance 4 ? than distance of the previously stayed notes. If	La Pick this how		
the distance 16 greater than you select this hove.	break;		
The loop will continue contill the cleatingtion is reactined.			
(b) the worse case to there are multiple options for notes distance			
which meding we may have to calculate the distance of the hovels multiple			
times giving a compexity of ocen) = ocn).			
#1 If we instead select the last activity to start with we are assentially doing the same th			
so it is really the same problem and can be solved using a greedy algorith best looking option at every step.	and personale ma	r can s	ISCK THOS
Proof explination:			
Let AL be the man size of a subset of mutually compatible actividies in S. Let a			
with the last start time. If an is the max size of a subject and a m = au then we			s finst. 16
am # as then we are not done with the Last to first algorithm. So let Ak': Ar-F	of cent and lar	= API	
#3 Pseudocode:			
int main () {			
white not end of the E			
· load in data for start[] + Finish[]			
. B npope sout pow ename - O(N) noutime			
· run airrays Arrough Last to start algo.			
· Print results			
3			
<u> </u>			
3			