Algorithmics	Student information	Date	Number of session
	UO: 293615		
	Surname: Lavelle	Escuela de Ingeniería Informática Universidad de Oviedo	
	Name: Gersán		



Activity 1. Measure Null Path

Time measurements:

n	t_avg(ms)		
200	21.93		
205	22.84		
210	24.07		
250	34.12		
255	35.55		
260	37.35		
•••	•••		
300	49.21		
305	50.63		
310	52.77		
•••	•••		
350	66.83		
355	70.64		
360	69.99		
	•••		
400	87.19		
405	5 87.47		
410	91.93		
•••	•••		
450	114.82		
455	115.39		
460	118.13		

These were the times measurement results I got for calculating the null paths for these different sizes. Normally backtracking follows a complexity of O(n!), but due to the exercise asking for only one solution, my program stops when such solution is found (if so). Also, the fact that a tolerance [-99,99] is allowed, also affects the time, as this way more solutions will be found, and the execution won't take as long. As the weights are also randomized, the time will also seem affected slightly by it.

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