Algorithmics	Student information	Date	Number of session
	UO:276903	23/2/21	0
	Surname: Garriga Suárez		
	Name: Carlos		

Activity 1. Power of the CPUs

Task 1:

Answer 1: the model is Intel Core i7-8750H and the system memory is 16 gb.

Answer 2: 1-Core 109

Answer 3: 237 milliseconds.

Answer 4: 25833.

Task 2:

#	CPU	milliseconds	SC Mix (avg)	Operations (aprox.)
1.	I5-1035G1	283	150	42450
2.	AMD A10-7870	253	66	16698
3.	i5-7500	248	107	26536
4.	Ryzen 5 3550H	188	59	11092
5.	I5-7300HQ	289	89,5	25865
6.	I7-10710	708	100,5	71154
7.	i7-8550U	325	94.1	30.582,5
8.	Ryzen 7 1700	167	97,8	16.332,6
9.	i5-10210U	270	102	27.540
10.	AMD A9-9420	459	55,4	25.428,6
11.	i7-8550U	299	94,1	28.135,9

Escuela de Ingeniería Informática

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I think that we should not mix values from different CPUs because the results of execution would vary depending on the model. If you want to get a good study of the algorithm it would be advisable if you run it on the same computer.

Activity 2. Influence of the operating system

Answer 1: The balanced one.

Answer 2: No, you should not because due to a long experiment, the result could vary a lot.

Answer 3: No, because you would not be getting real results as the CPU has to divide its power to the different programs that are running. If only one instance of the program was running, the measurement would be reliable.