

	Student information	Date	Number of session
Algorithmics	UO: 258220	09-02-21	0
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Activity 1. Power of the CPUs

TASK 1

1. Intel i7-6500U (4) @ 3.100GHz
2. Memory 73.7 1-Core 78.2 2-Core 138
3. $n=1048576^{**}$ TIME=278
4. Aprox. 21739,2

TASK 2

I don't have access to any other computer in my home

Activity 2. Influence of the operating system

1. Balanced is the best plan to take measurements, because Economizer limits the use of CPU while High performance exploits multithread to make things quicker. That makes the measurements too dependent on the condition of the computer.
2. No, it's a bad idea to use the computer for anything other than the task at hand, as watching a video or really doing anything in the computer takes a part of the CPU usage. It would be acceptable if that CPU usage was constant, but it varies with time and tempers with the results of the measurement.
3. It's definitely not a good idea to take several measurements at the same time for the same reasons we wouldn't watch a video: dividing the CPU's resources between multiple tasks gives us an incomplete view of the results.

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