Dear,

We've received your VSC account request, but because you're listed as a student, we can't approve it right away (we can only do that for staff).

If you're working towards a PhD or Master thesis and could use the VSC HPC infrastructure for your research, or if you're following a course and require a VSC account for it, please provide a detailed information about course that you are following or supervisor name and a small motivation (couple of sentences is fine) as to why you require access to the VSC HPC infrastructure.

Regards,  
VSC Account Team

Dear,

In regards to the course [Scientific Training (B-KUL-G0L12B)](https://onderwijsaanbod.kuleuven.be/syllabi/v/e/G0L12BE.htm#activetab=doelstellingen_idm7129296) which is a **Bachelor’s thesis** course for the Bachelor in Computor Science, Dekempeneer Mathias and me, Derkinderen Vincent are doing **research on Optimal Size** [**Sorting Networks**](https://en.wikipedia.org/wiki/Sorting_network). We aim to reproduce and improve the results of a paper, [Twenty-Five Comparators is Optimal when Sorting Nine Inputs (and Twenty-Nine for Ten)](http://arxiv.org/abs/1405.5754v3) in which they had 288 threads (144 Intel E8400 cores clocked at 3 GHz) running for 12 days to prove that the optimal size sorting network of 9 inputs requires at least 25 comparators. We assume/hope our improved algorithm will only **require up to 2-5 days** with the same amount of resources. If the algorithm runs better than anticipated we would like to also try running it for 10 or 11 input channels if possible. We are searching for computing resources since our own laptops and the computers in the computer labs will not suffice for running it in a reasonable timeframe.  
  
**Our thesis supervisor is Tom Schrijvers (**[**tom.schrijvers@kuleuven.be**](mailto:tom.schrijvers@kuleuven.be)**) and our course supervisor is Luc De Raedt (**[**luc.deraedt@kuleuven.be**](mailto:luc.deraedt@kuleuven.be)**).**  
  
Sincerely,

Dekempeneer Mathias,  
Derkinderen Vincent