Was not just a smidgen lucky, but pretty lucky in identifying <=, < discrepancy in behavior as a static bool comparator condition. REMEMBER THIS NEXT TIME! Also utilize the word smidgen more, descriptive.

Do Valkyrie’s part 2 OA, see how references and pointers are passed as arguments in a function. Avoid the most vexing parse, know when it occurs.

Leg day with Jaheim

Go to Prog 1 discussion section in person on Wednesday to show debugging skills, finish Pakudex project due on Friday about classes

Do HackerRank certification for Python and problem solving, improve C++ skills, know how both languages (Python and C++) are implemented under the hood via C, read DLog and Comp Org & Arch. Textbooks THOROUGHLY if you want to do well in the course, do DLog labs, learn your algos well.

Apply to more positions.

Make E-Commerce website that should have been made a LONG TIME AGO, know how the minesweeper project is implemented, know what Franjo’s papers are about, what the code does, etc.

PREPARE FOR PALANTIR INTERVIEW !!!!!!! AND WALMART INTERVIEW !!!!!!!

Culture yourself well !!!!!!! READ THE BIBLE, BECOME WISE. READ THE CLASSICS AS WELL. Read a lot, speak out loud a lot as well. Interact well with people, love people! Stop watching porn. Make good habits. Be the best person you can be!

[All you should know about comparators in C++](https://codeforces.com/blog/entry/70237)

By **[dalex](https://codeforces.com/profile/dalex" \o "Master dalex)**, 3 years ago, translation, In English

*Please put to main page. So we won't see blogs like*[*https://codeforces.com/blog/entry/70236*](https://codeforces.com/blog/entry/70236)*in the nearest future.*

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IF USED <= in comparator, then TLE, RE, segmentation fault, MLE errors can ALL occur !!!!!!! time limit exceeded, runtime error, segmentation fault, memory limit error

Hope you remember it and will never make such a stupid mistake!

That's not **all** you should know about it.

In fact, it should be a [Strict Weak Ordering](https://www.boost.org/sgi/stl/StrictWeakOrdering.html).(transitivity and transitivity of equivalence are also needed).

There's a well-known problem which can be solved by [Johnson's rule](https://en.wikipedia.org/wiki/Johnson%27s_rule), and a simple greedy solution which sorts the jobs lacks of transitivity of equivalence. The wrong comparator is P(i,j)=min(ai,bj)<min(aj,bi)P(i,j)=min(ai,bj)<min(aj,bi) , it should be P(i,j)={ai<ajmin(ai,bj)<min(aj,bi)min(ai,bj)=min(aj,bi)otherwiseP(i,j)={ai<ajmin(ai,bj)=min(aj,bi)min(ai,bj)<min(aj,bi)otherwise .

I don't know any English material about this problem except Wikipedia, so [here](https://www.luogu.com.cn/problem/P2123) is this problem in Chinese. In [this article](https://ouuan.github.io/%E6%B5%85%E8%B0%88%E9%82%BB%E9%A1%B9%E4%BA%A4%E6%8D%A2%E6%8E%92%E5%BA%8F%E7%9A%84%E5%BA%94%E7%94%A8%E4%BB%A5%E5%8F%8A%E9%9C%80%E8%A6%81%E6%B3%A8%E6%84%8F%E7%9A%84%E9%97%AE%E9%A2%98/) (also in Chinese) written by me, I discussed about it.

If anyone is interested in it, I can write a blog about it (in English) :)

https://codeforces.com/blog/entry/72525