

How to reach Expert

Dimaël Rivas

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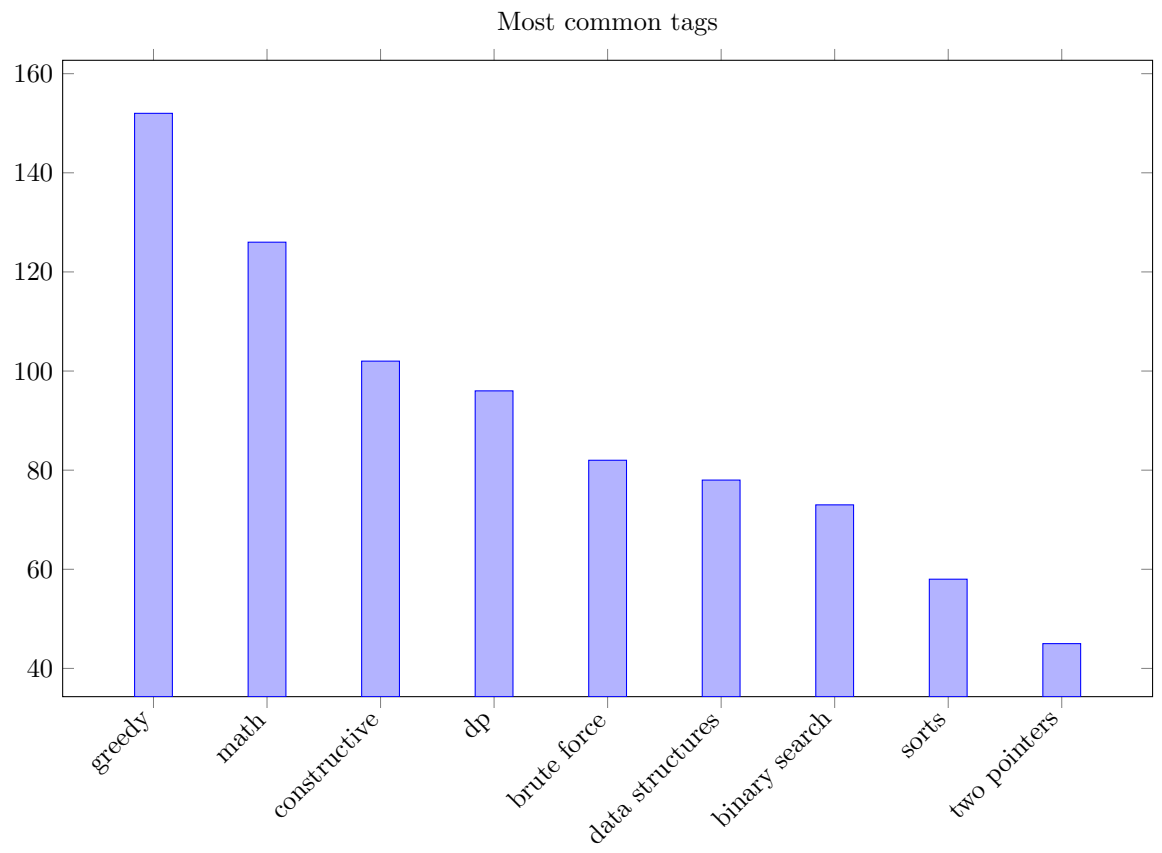
1 Context

This is a kind of blog where I will share how to reach expert. I will follow suggestions from Galen Colin and using an chrome extension I will try to solve at least 1 problem per day. The main idea is to train like an expert.

2 The plan

According to Galen Colin, the most "Vital" topics are these:

- Dynamic programming
- Basic graphs/trees
- Number theory - factorization, modular arithmetic, prime factor representation
- Basic combinatorics, probability, expected value
- Bitwise stuff
- Data structures: segment tree, STL (library)
- Basics of game theory
- Proofs (not a topic, but worth mentioning, greedy)
- Constructives



3 To-do

Make an script that takes 5 problems with the 5 most common topics