



Table D.10: A priori distribution $\pi(\beta)$ for $\beta = (\beta_1, \beta_2, \beta_3, \beta_4, \beta_5, \beta_6, \beta_7, \beta_8, \beta_9, \beta_{10})$ in DCA

Here is the sheet of a few selected DSA problems made by [Striver \(take U forward\)](#) and [Love Babbar](#). Basically, these sheets will help you solve some selected problems which will highly increase your DSA skills and you have to understand the

concepts, intuition, and logic that why we have applied the particular data structure or algorithm in this question, don't cram anything:-

- Striver's sheet contains **180 questions**, which can be completed in 2–3 months at a normal pace, but if you know the basics of DSA then one can complete the sheet in 1 month only. Link to the sheet and video — [Striver's sheet](#), [video](#).
- Love's sheet contains **450 questions**, which can be completed in 5–6 months, and 3–4 months for one who knows the basics. Link to the sheet — [Love's sheet](#), [video](#).

A very good tracking website is built i.e. [450DSA](#), which can help you to track these questions.

If you have less time left for interviews go for Striver's sheet, but if you have enough time start solving Love's sheet. Both the sheets are really awesome and amazing.

Now the resources for each topic in DSA, and resources will be mostly the videos present on Youtube, and once you are done with the videos start practicing that topic, and do a good amount of questions on that topic, so that you get to know about that topic in-depth and you can completely understand it.

1. **Arrays** — The very first and basic topic of DSA.
 - * *Basics of the array* — [Array lectures by Neso Academy](#) (This is only for the people who want to learn from scratch)
 - * *Sliding Window* — Playlist by [Aditya Verma](#)
 - * *Sorting* — Playlist by [mycodeschool](#)
2. **Greedy** — Videos by [Abdul Bari Sir](#) (from 3 to 3.5)
3. **Hashing** — Video by [Abdul Bari Sir](#)
4. **Stack** — Stack Playlist by [Aditya Verma](#)
5. **Queue** — To understand the basics of the queue go to [Jenny's Lecture](#)
6. **Recursion** — Recursion Playlist by [Aditya Verma](#)
7. **Linked List** — Playlist by [Vivekanand Khyade Sir](#)
8. **Binary Trees** — Playlist by [Vivekanand Khyade Sir](#), Playlist by [Kashisk Mehndiratta](#)
9. **Binary Search Trees** — Video by [mycodeschool](#)
10. **Strings** —
 - * *Rabin Karp Algo* — Video by [Abdul Bari Sir](#), [TECH DOSE](#)
 - * *KMP Algo* — Video by [Abdul Bari Sir](#), [TECH DOSE](#)

11. **Backtracking** — Videos by [Abdul Bari Sir](#)
12. **Binary Search** — Playlist by [Aditya Verma](#)
13. **Dynamic Programming** — Playlist by [Aditya Verma](#) (Best DP lectures on Youtube)
14. **Heaps** — Playlist by [Aditya Verma](#) (If you want to learn basics then first refer Abdul Bari Sir videos)
15. **Graphs** — Playlist by [TECH DOSE](#) (If you want to learn basics then first refer Abdul Bari Sir videos)
16. **Tries** — Video by [TECH DOSE](#)

Note: These are just resources, from where you can learn the topics but remember you have to practice a lot of questions on this topic to get a good command. And also don't just stick to these resources only, explore more on Youtube.

Channels you need to subscribe to get guidance regarding placements and resources:-

1. [***take U forward***](#)
2. [***Love Babbar***](#)
3. [***Aditya Verma***](#)
4. [***TECH DOSE***](#)
5. [***Back To Back SWE***](#)
6. [***Vivekanand Khyade — Algorithm Every Day***](#)

Also give short contests (2–3 hrs) on Codeforces, Codechef, and LeetCode so that you can test yourself, it will make your brain smarter and sharper and this will also help you all to clear the online coding rounds of many companies.

The main agenda here is you don't have to cram anything, just learn the concepts and apply them to the questions, and increase your knowledge of DSA. **“The more you practice, the more you learn.”** If you are not able to solve any questions on the sheet, or anywhere **don't give up easily** at least give 1–2 hours of brainstorming, and even if you are not able to get it then go for a solution. For solutions, you can easily find some videos on Youtube with excellent explanations and you can also refer to the **discussion section in LeetCode** or refer **GeeksforGeeks**.

For studying the core CS subjects like DBMS, Operating Systems and Computer Networks refer to [Knowledge Gate](#) and [Gate Smashers](#). For last-minute revision, refer **GeeksforGeeks**.

For OOPS [Saurabh Shukla’s sir, C++ playlist](#) is good.

Also, make notes of all the things you have studied, it helps to revise quickly whenever you want. And do support the creators who have made such excellent resources.

A piece of general advice, **stay active on LinkedIn!**

I hope you like the article, in case of any doubts feel free to DM me on LinkedIn.

Thanks :)

[Anubhav Sinha](#)

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Jun 10, 2020

How to start contributing to Open Source?

In this article, we will discuss how can you start contributing to Open Source. I will try to clear all of your doubts and problems which you face when you are about to start contributing to Open Source. All those who are facing problem contributing, after reading this article you will be able to contribute.

whoami

Myself Anubhav Sinha, currently I am pursuing B.Tech from Jaypee Institute of Information Technology, Noida and I am in 3rd year. I was selected as the Google Summer of Code student in 2019 in my 2nd year under the [Oppia](#) organization. ...

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Learning Python from scratch!



Python is a high level programming language and is very demanding these days.

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To get started, first you need to learn the Python syntax. You can learn the python syntax from the [**Python3 Playlist of New Boston Youtube channel**](#).

After this you will get familiarize with the python syntax.

Now you can proceed to [**Hackerrank**](#) website to solve Python and Problem Solving questions there. This will help you get a good grasp of syntax that you have learned through the New Boston playlist. After this you will have a good command in python.