In this article, I will discuss about OBST.

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Abbreviation:

OBST = Optimal Binary Search Tree

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What is Optimal?

Optimal refers the best at present.

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What is OBST?

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Suppose there are n leaves node in a tree where of course n is a positive integer and n>=1.

Given a sequence of probabilty for successful search

and

and a sequence of probabilty for unsuccessful search

Compute the minimum cost of OBST for search keys?

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[ref]

I refer the first link the most.

1. [4.6.2 [New] Optimal Binary Search Tree Successful and Unsuccessful Probability - Dynamic Programming - YouTube](https://www.youtube.com/watch?v=wAy6nDMPYAE&t=1620s)
2. [Optimal Binary Search Tree | DP-24 - GeeksforGeeks](https://www.geeksforgeeks.org/optimal-binary-search-tree-dp-24/)