Algorithms Advanced Python

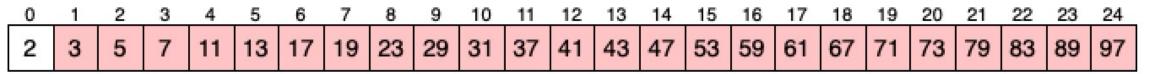
Linear Search , Binary Search Tree

Linear Search

میخواهیم عدد ۶۷ را میان ۲۵ عدد اول پیدا کنیم:

var primes = [2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97];

Linear Search





67 > 2



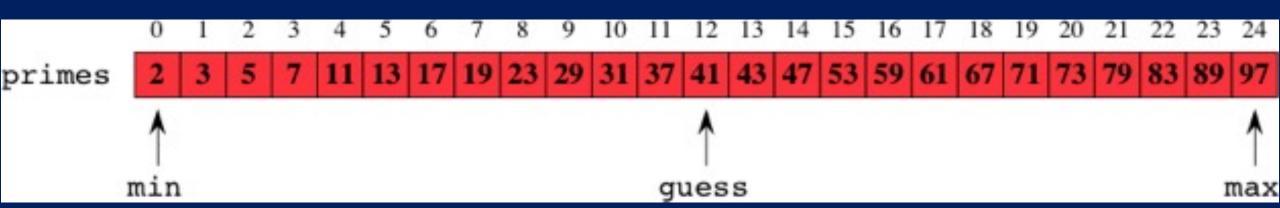


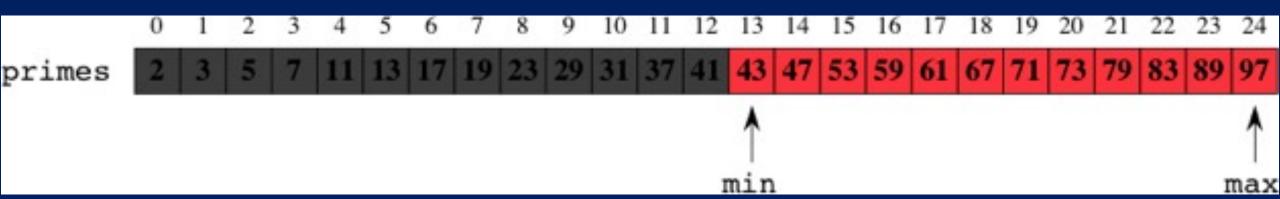
var primes = [2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97];

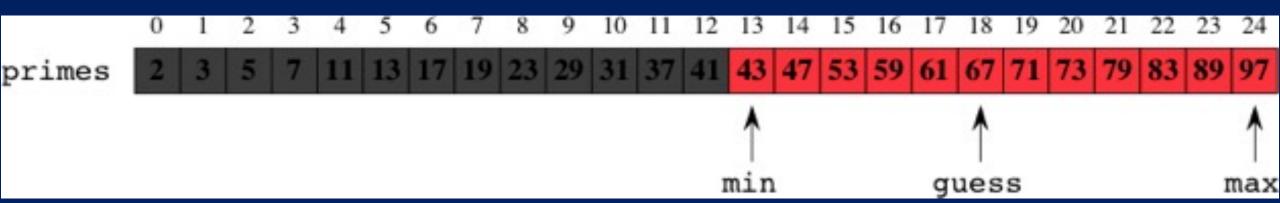


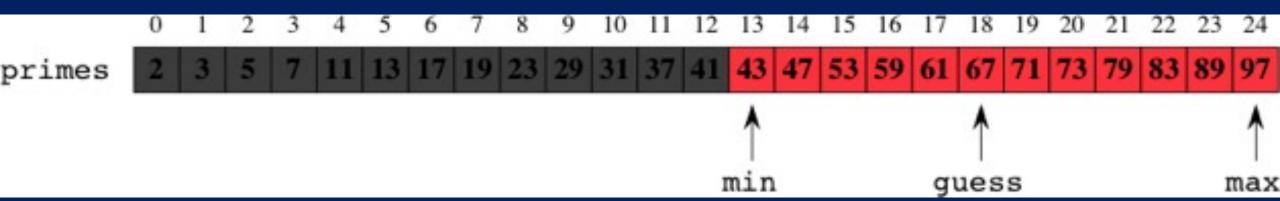


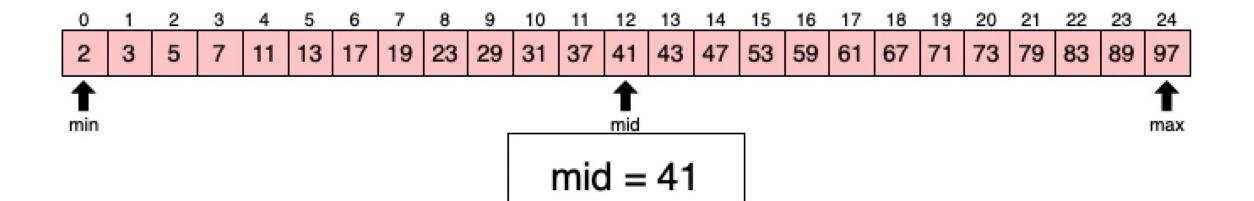
67 > 2











An example of a binary search tree

Binary Search Tree

[1, 3, 5, 6, 7, 9, 11]