





algorthum ~ o (logn) search . Running twice Sorting $0 (n \log n)$ for loop $\Rightarrow n \times 0 (\log n)$ $f(n) \in 0 (n \log n)$ - much better than 2 7 m Lack of the we save the OPT() value in a table be used in other parts of program. Hence it is called ranic programing.