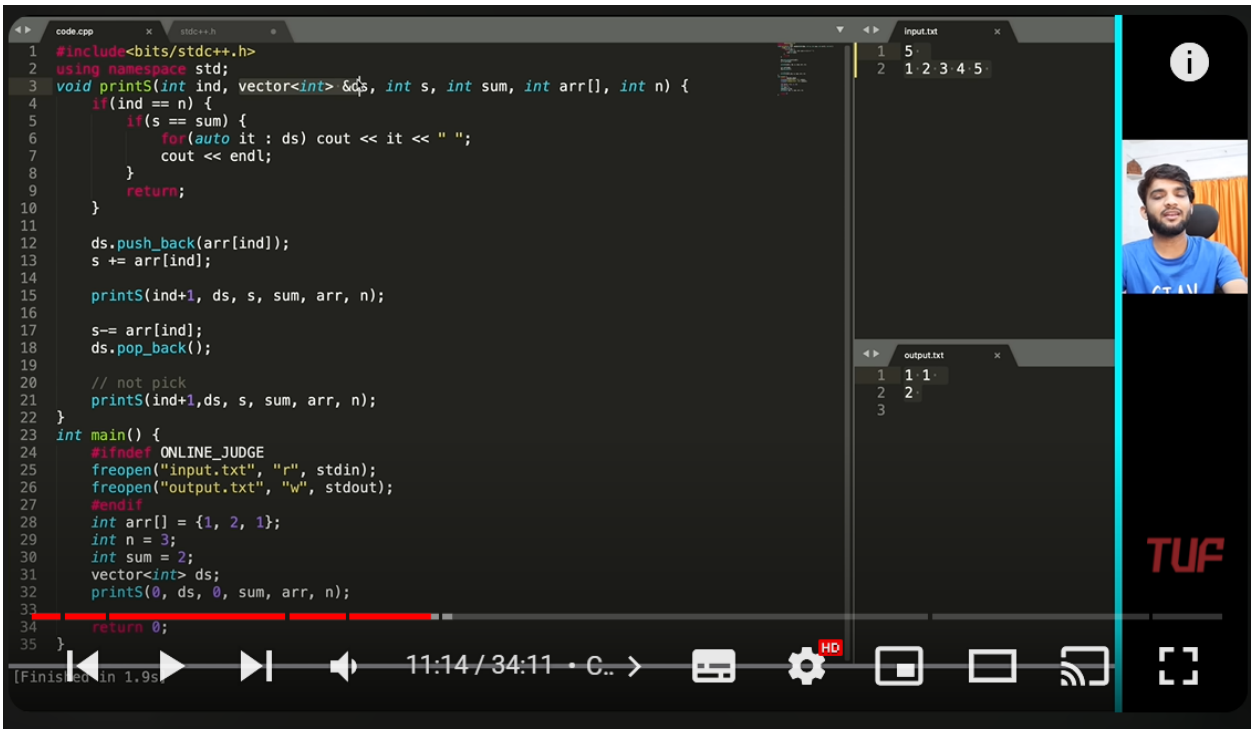
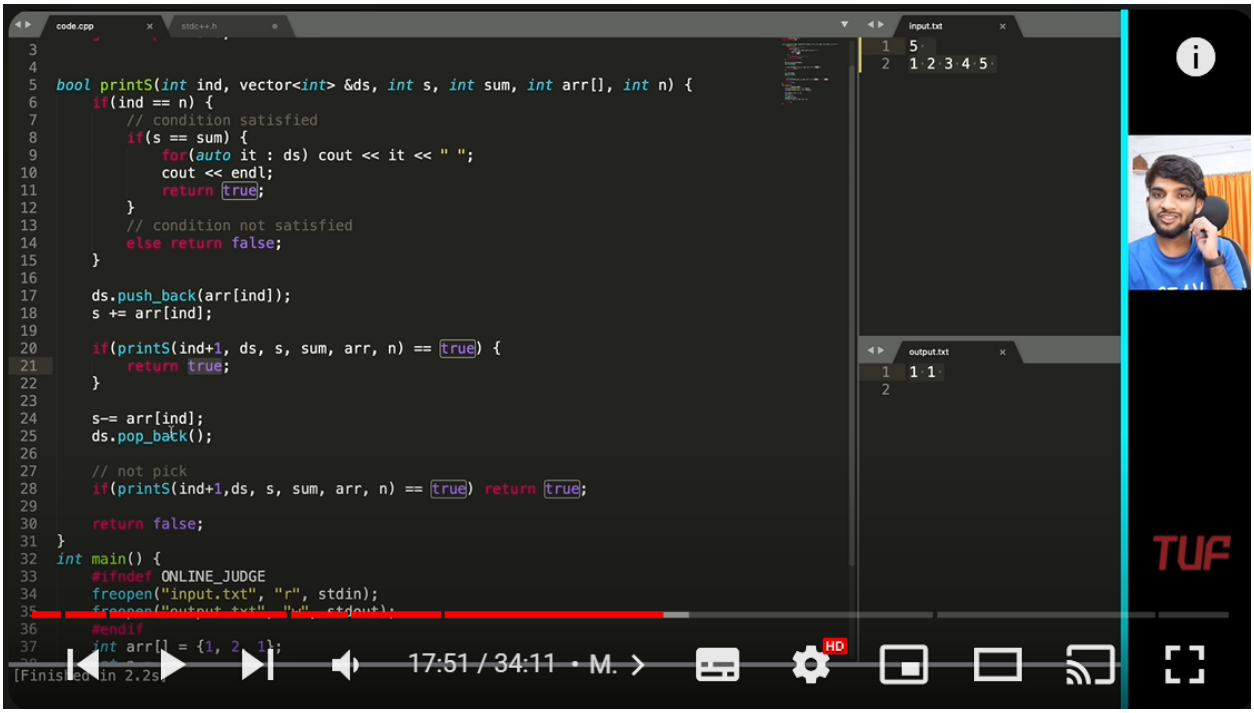
SUBSEQUENCES PATTERNS

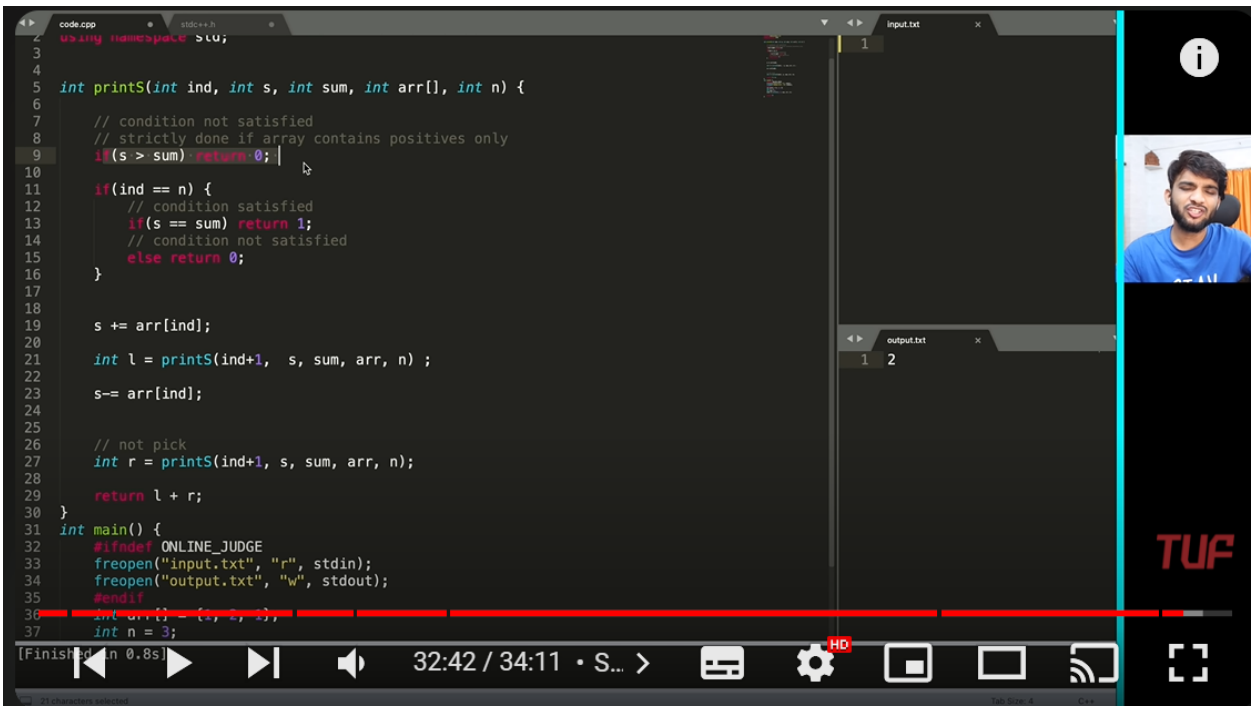
PRINT ALL



PRINT ONE


code.cpp
input.txt
5
1 2 3 4 5
output.txt
1 1
bool printS(int ind, vector<int> &ds, int s, int sum, int arr[], int n) {
if(ind == n) {
// condition satisfied
if(s == sum) {
for(auto it : ds) cout << it << " ";
cout << endl;
return true;
}
// condition not satisfied
else return false;
}
ds.push_back(arr[ind]);
s += arr[ind];
if(printS(ind+1, ds, s, sum, arr, n) == true) {
return true;
}
s-= arr[ind];
ds.pop_back();
// not pick
if(printS(ind+1,ds, s, sum, arr, n) == true) return true;
return false;
}
int main() {
#ifndef ONLINE_JUDGE
freopen("input.txt", "r", stdin);
#endif
[Finished in 2.2s]
17:51 / 34:11 • M.
HD
TUF

COUNT ALL


code.cpp
input.txt
output.txt
2
int printS(int ind, int s, int sum, int arr[], int n) {
// condition not satisfied
// strictly done if array contains positives only
if(s > sum) return 0;
if(ind == n) {
// condition satisfied
if(s == sum) return 1;
// condition not satisfied
else return 0;
}
s += arr[ind];
int l = printS(ind+1, s, sum, arr, n) ;
s-= arr[ind];
// not pick
int r = printS(ind+1, s, sum, arr, n);
return l + r;
}
int main() {
#ifndef ONLINE_JUDGE
freopen("input.txt", "r", stdin);
freopen("output.txt", "w", stdout);
#endif
int n = 3;
[Finished in 0.8s]
32:42 / 34:11 • S...
HD
TUF