

V Q 0 8 t4 8 8 O 8 Odd 6gr ever 4-7

Bitmasking / Bitmanipulation 02- Basic Questions on Bitmasking for Competitive Programming



Qna, b

a = 11 / b = 15

b = ~11 11

Binary 0100

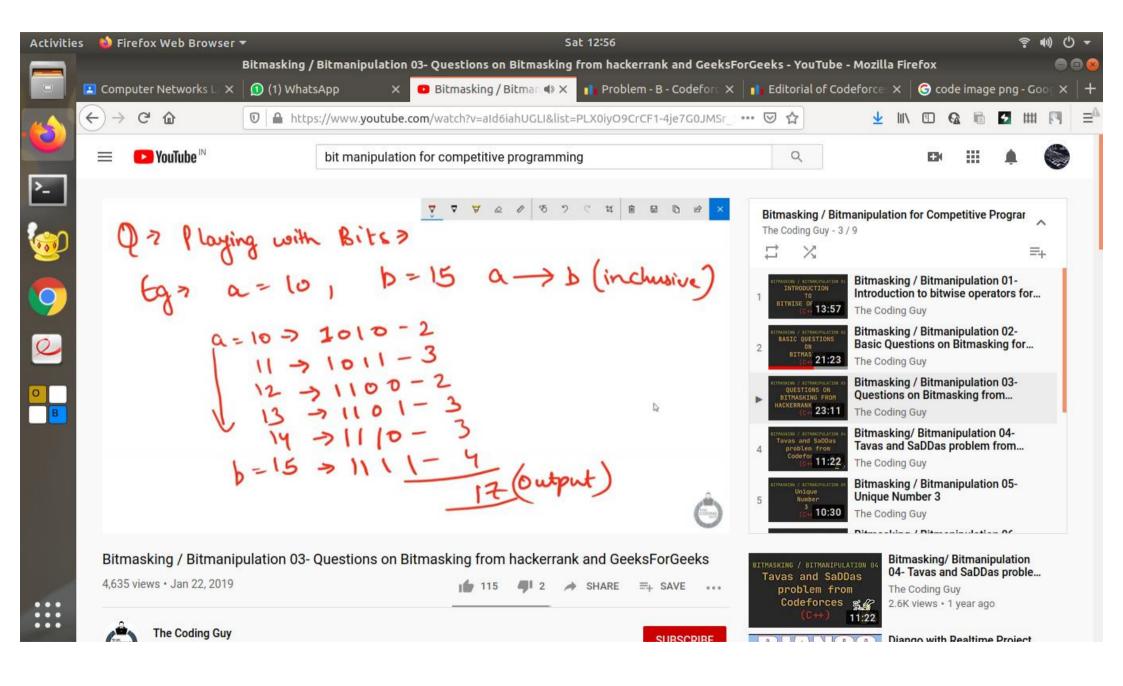
no. of to a -> b

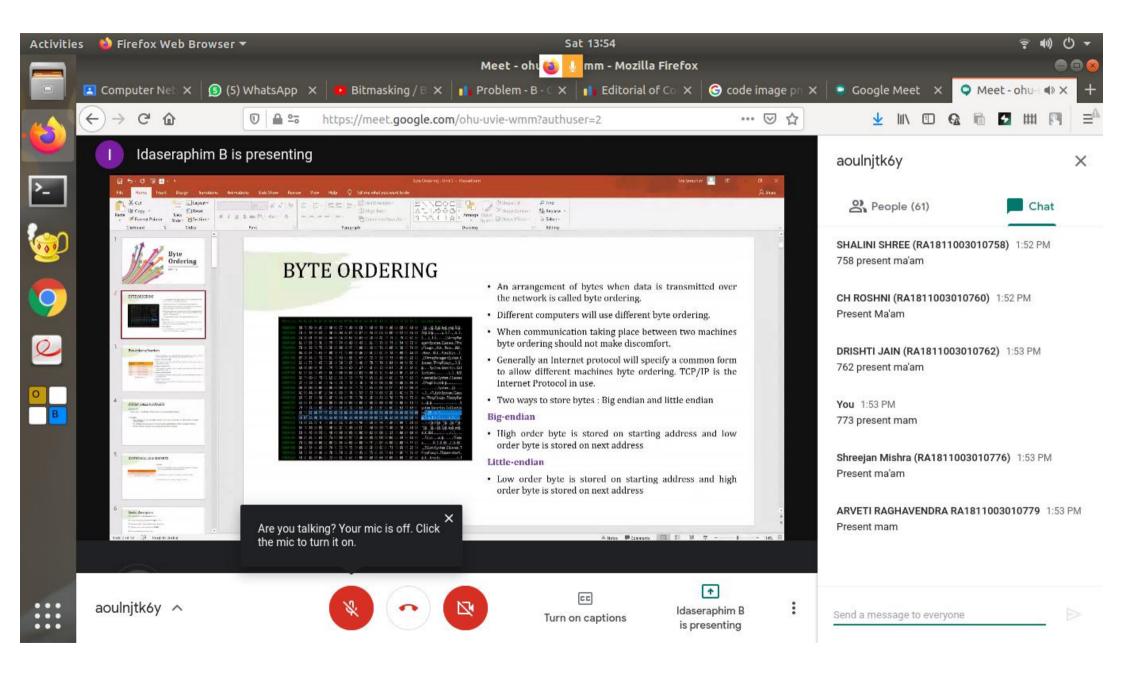
Set (1)





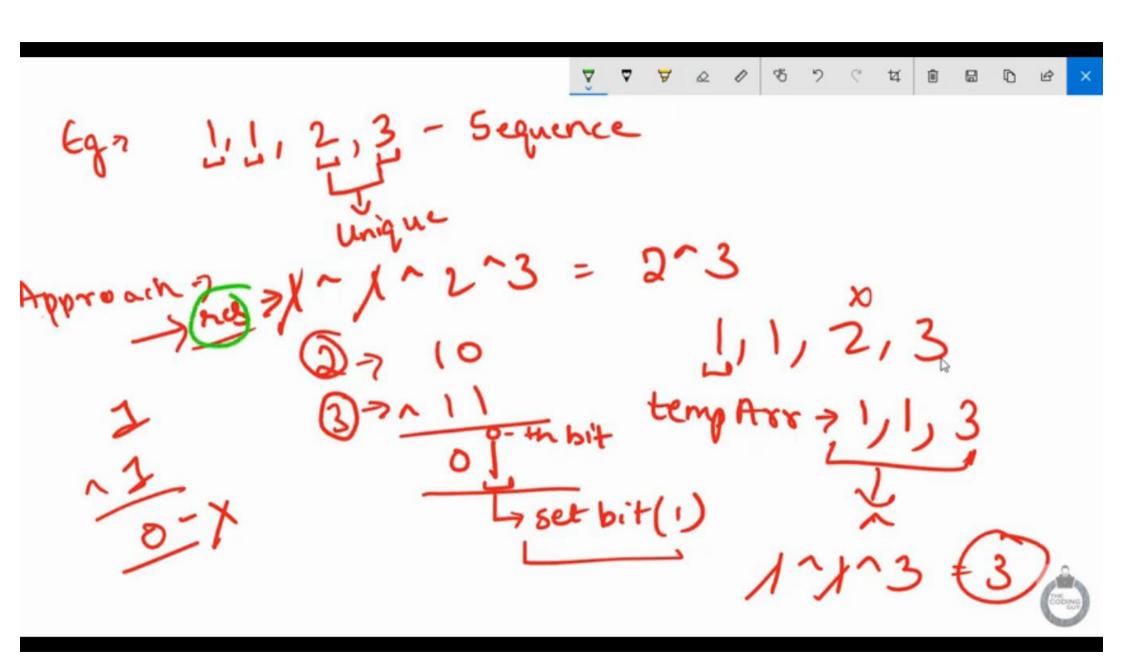
Bitmasking / Bitmanipulation 02- Basic Questions on Bitmasking for Competitive Programming Count the no of set bits) count 40 while (~ >0) count = 0+ HO n = n >1 neturn whit; 5 >> 1 10:23 / 21:22





Bitmasking / Bitmanipulation 03- Questions on Bitmasking from hackerrank and GeeksForGeeks playingWithBits.cpp × © maximizingXor.cpp int main() ios_base::sync_with_stdio(false); cin.tie(NULL); cout.tie(NULL); 11 test; cin >> test; 8 while(test--) int a, b; cin >> a >> b; int count = 0; for (int i = a; i <= b; i++) if ((i81) == 0.88 i < b)count += 2 * countSetBits(i) + 1; continue: count += countSetBits(i) cout << count << '\n'; return 0;

6:20 / 23:10



Bitmasking / Bitmanipulation 03- Questions on Bitmasking from hackerrank and GeeksForGeeks int *arr = new int[n]; <int res = 0; for (int i = 0; i < n; i++) res *= arr[i]; int tempRes = res, index = 0; (tempRes & 1) break; index++: tempRes = tempRes >> 1; int mask = (1 << index); vectorkint> tempArr; for (int i = 0; i < n; i++) if (arr[i] & mask) tempArr.push_back(arr[i]); 29

19:04 / 23:10