

Practical 4

Bayan

Problem statement: <http://acm.timus.ru/problem.aspx?space=1&num=1563&locale=en>

Ice Cream Parlor

5 points only for $O(t * n)$ solution. (t-is the number of queries, read about the variable n in tasks description)

Problem statement: <https://www.hackerrank.com/challenges/ctci-ice-cream-parlor/problem>

Beautiful binary string

Problem statement: <https://www.hackerrank.com/challenges/beautiful-binary-string/problem>

String power

Suppose you have a string s and an integer k . If k is nonnegative, then s^k is a string resulting in k -fold concatenation of s to itself. If k is negative, then s^k is a string x such that x^{-k} is equal to s . Obviously, if k is negative s^k is not always defined.

Given a string s and an integer k , output s^k if it is defined and the word "undefined" otherwise

ab 1	ab
abc 0	
abcd 3	abcdabcdabcd
xyzxyz -2	xyz
xyzxyz -3	undefined
xyzxyz -1	xyzxyz