

Homework 4

<https://leetcode.com/problems/unique-email-addresses/>

<https://leetcode.com/problems/find-and-replace-pattern/>

<https://leetcode.com/problems/finding-the-users-active-minutes/>

<https://leetcode.com/problems/jewels-and-stones/>

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
-----------	--------