Problem Link:

<https://codeforces.com/problemset/problem/1473/B>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** q;
* cin >> q;
* **while**(q--) {
* string s, t;
* cin >> s >> t;
* **int** n = s.size(), m = t.size();
* **int** g = \_\_gcd(n, m);
* **int** l = n \* m / g;
* string a = **""**, b = **""**;
* **for**(**int** i = 0; i < l / n; ++i)
* a += s;
* **for**(**int** i = 0; i < l / m; ++i)
* b += t;
* **if**(a == b)
* cout << a << **"\n"**;
* **else**
* cout << **"-1\n"**;
* }
* **return** 0;
* }