CODECHEF
A *Directi* Educational Initiative

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Number Strings   Problem Code: NUMSTR

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You are given two number-strings A and B. A number-string is a string that contains only digits ['0'-'9'].

The task is to make both the strings equal. The only operation that you are allowed to do is to delete a character (i.e. digit) from any of the strings (A or B).

The cost of an operation of deleting a digit D is D units.
Now, you have to make both the number-strings equal in minimum cost.

Constraints:
1 <= T <= 10
1 <= length(A),length(B) <= 1000

Input Format:
First line of each testfile contains T, the number of test cases.
In each testcase, first line contains number-string A and second line contains number-string B.

Output Format:
For each test case, output only line containing the minimum cost to make both number-strings equal.

Example:

Input:
3
7135
135
816337897
816393804
816337597
816393504

Output:
7
36
34

All Submissions (/DI16R116/status/NUMSTR)

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CodeChef (http://www.codechef.com) - A Platform for Aspiring Programmers

CodeChef was created as a platform to help programmers make it big in the world of algorithms, **computer programming** and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and another smaller programming challenge in the middle of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

Practice Section (https://www.codechef.com/problems/easy) - A Place to hone your 'Computer Programming Skills'

Try your hand at one of our many practice problems and submit your solution in a language of your choice. Our **programming contest** judge accepts solutions in over 35+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

Compete (https://www.codechef.com/problems/easy) - Monthly Programming Contests and Cook-offs

Here is where you can show off your **computer programming skills**. Take part in our 10 day long monthly coding contest and the shorter format Cook-off **coding contest**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), $700 (for Global Community) and lots more CodeChef goodies up for grabs.

Programming Tools	**Practice Problems**
Online IDE (https://www.codechef.com/ide)	Easy (https://www.codechef.com/problems/easy)
Upcoming Coding Contests (http://www.codechef.com/contests#FurtureContests)	Medium (https://www.codechef.com/problems/medium)
Contest Hosting (http://www.codechef.com/hostyourcontest)	Hard (https://www.codechef.com/problems/Hard)
Problem Setting (http://www.codechef.com/problemsetting)	Challenge (https://www.codechef.com/problems/challenge)
CodeChef Tutorials (http://www.codechef.com/wiki/tutorials)	Peer (https://www.codechef.com/problems/extcontest)
CodeChef Wiki (https://www.codechef.com/wiki)	School (https://www.codechef.com/problems/school)
	FAQ's (https://www.codechef.com/wiki/faq)

Initiatives

Go for Gold (http://www.codechef.com/goforgold)

CodeChef for Schools (http://www.codechef.com/school)

Campus Chapters (http://www.codechef.com/campus_chapter/about)

Domain Registration in India (http://www.bigrock.in/) and Web Hosting (http://www.bigrock.com/web-hosting/) powered by BigRock