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#include <iostream>
#include <cstring>
#include <fstream>
using namespace std;
int i;
string a, b;
ifstream fin("input.txt");
ofstream fout("output.txt");

int pas2(string &a, string &b)
{
    int ok = 0;
    int lgmin = min(a.size(), b.size());
    for(int i = 0; i < lgmin; i++)
    {
        if(a[i] == b[i])
        {
            a.erase(i, 1);
            b.erase(i, 1);
            i--;
            lgmin--;
            ok = 1;
        }
    }
    return ok;
}

int pas3(string &a, string &b)
{
    int ok = 0;
    int lgmin = min(a.size(), b.size());
    for(int i = 0; i < lgmin; i++)
    {
        if(a[i] != b[i] && i + 1 < b.size() && a[i] == b[i + 1])
        {
            a.erase(i, 1);
            b.erase(i, 2);
            i--;
            lgmin = min(a.size(), b.size());
            ok = 1;
        } else if(a[i] != b[i] && i + 1 < a.size() && a[i + 1] == b[i])
        {
            a.erase(i, 2);
            b.erase(i, 1);
            i--;
            lgmin = min(a.size(), b.size());
            ok = 1;
        }
        if(ok)
            return ok;
    }
    return 0;
}

int main()
{
    for(i = 1; i <= 5; i++)
    {
        fin >> a >> b;
        int ok = 1;
    }
}

```

```
while(ok)
{
    ok = 0;
    ok |= pas2(a, b);
    ok |= pas3(a, b);
}
int diff = 0;
for(int i = 0; i < min(a.size(), b.size()); i++)
    diff += a[i] - b[i];
for(int i = min(a.size(), b.size()); i < a.size(); i++)
    diff++;
for(int i = min(a.size(), b.size()); i < b.size(); i++)
    diff++;
fout << diff << "\n";
}
return 0;
}
```