Prime Dates

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#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
#include <sstream>
using namespace std;

int month[15];

void updateLeapYear(int year) {
    if(year % 400 == 0) month[2] = 29;
    else if(year % 100 == 0) month[2] = 28;
    else if(year % 4 == 0) month[2] = 29;
    else month[2] = 28;
}

void storeMonth() {
    month[1] = 31; month[2] = 28; month[3] = 31; month[4] = 30;
    month[5] = 31; month[6] = 30; month[7] = 31; month[8] = 31;
    month[9] = 30; month[10] = 31; month[11] = 30; month[12] =
31;
}

int findLuckyDates(int d1, int m1, int y1, int d2, int m2, int
y2) {
    storeMonth();
    int result = 0;
    while(true) {
        int x = d1;
        x = x * 100 + m1;
        x = x * 10000 + y1;
        if(x % 4 == 0 || x % 7 == 0) result++;
        if(d1 == d2 && m1 == m2 && y1 == y2) break;
        updateLeapYear(y1);
        d1++;
        if(d1 > month[m1]) {
            d1 = 1;
            m1++;
            if(m1 > 12) { m1 = 1; y1++; }
        }
    }
    return result;
```

```
}

int main() {
    string str;
    int d1, m1, y1, d2, m2, y2;
    getline(cin, str);
    for(char &c : str) if(c == '-') c = ' ';
    stringstream ss(str);
    ss >> d1 >> m1 >> y1 >> d2 >> m2 >> y2;
    cout << findLuckyDates(d1, m1, y1, d2, m2, y2) << endl;
}
```