class Solution {

public:

int dayOfYear(string date) {

int days=0;

int arr[12]={31,28,31,30,31,30,31,31,30,31,30,31};

string m="",y="",d="";

y=y+date[0]+date[1]+date[2]+date[3];

int year=stoi(y);

if(year%4==0 && year%100!=0 || year%400==0){

arr[1]=29;

}

m=m+date[5]+date[6];

int month=stoi(m);

for(int i=0;i<month-1;i++){

days=days+arr[i];

}

d=d+date[8]+date[9];

int dates=stoi(d);

days+=dates;

//cout<<year<<" "<<month<<" "<<dates;

return days;

}

};