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#include <iostream>

#include <cstring>

using namespace std;

int main() {
    string s;
    cin>>s;
    int countup=0,countlow=0;
    for(int i=0;i<s.size();i++){
        if(isupper(s[i])){
            countup++;
        }else{
            countlow++;
        }
    }
    if(countup>countlow){
        char ch;
        for(int i=0;i<s.size();i++){
            ch=toupper(s[i]);
            cout<<ch;
        }
    }else{
        char ch;
        for(int i=0;i<s.size();i++){
            ch=tolower(s[i]);
            cout<<ch;
        }
    }
    return 0;
}
```

}