Separate data from business logic.

Gramatika {

```
public static String pravidla(String dvojica){
    switch (dvojica){
        case "AA": return "B"
        case "AB": return "A"
        case "AC": return "A"
        case "BA": return "C";
        case "BB": return "A";
        case "BC": return "C";
        case "CA": return "AA";
        case "CB": return "A";
        case "CC": return "BB";
        default: return "";
```

```
String res =
for (int i = 0; i < s.length()-1; i++){}
    if(s.substring(i,i+2).matches("AA"
        res += "B":
    if(s.substring(i,i+2).matches("AB")
        res += "A":
    if(s.substring(i,i+2).matches("AC")){
        res += "A";
    if(s.substring(i,i+2).matches("BA")){
        res += "C";
    if(s.substring(i,i+2).matches("BB")){
        res += "A";
    if(s.substring(i,i+2).matches("BC")){
        res += "C";
                                      IT'S NOT PERSONAL
    if(s.substring(i,i+2).matches(
        res += "AA";
```



IT'S HIST BUS

Short functions are the key.

```
public static int alternate(String str) {
   String znaky = unique(str);
    int maxDlzka = 0;
   for (int i = 0; i < znaky.length(); i++) {
        for (int j = i + 1; j < znaky.length(); <math>j++) {
            char a = znaky.charAt(i);
            char b = znaky.charAt(j);
            maxDlzka = Math.max(maxDlzka, filterAndValidate(str, a, b));
   return maxDlzka;
```

Checking documentation is important.

```
static boolean contains(StringBuilder s, char c) {
   for(int i = 0; i < s.length(); ++i){
      if(s.charAt(i) == c){
        return true;
    }
   }
   return false;
}</pre>
```

Thinking outside the box. Because too many ifs are ify.

```
public class Pole3D {
    public static boolean equalsIgnoreCase(String[][][] a, String[][][] b) {
        return normalize(a).equals(normalize(b));
    public static String normalize(String[][][] arr) {
        if (arr == null) return "null";
        StringBuilder sb = new StringBuilder();
        for (String[][] matica : arr) {
            if (matica == null) {
                sb.append("null;");
                continue;
            for (String[] r : matica) {
                if (r == null) {
                    sb.append("null;");
                    continue;
                for (String elem : r) {
                    sb.append(elem == null ? "null" : elem.toLowerCase()).append(";");
        return sb.toString():
```



Call once use everywhere.

StringBuffer is for highly mutable sequences not "XY".

```
for (int i = 0; i < s.length() - 1; i++) {
    StringBuffer sb = new StringBuffer()
    sb.append(s.charAt(i));
    sb.append(s.charAt(i + 1));
    if (sb.toString().equals("AA")) {
        result.append("B");
    } else if (sb.toString().equals("AB")
            || sb.toString().equals("AC")
            || sb.toString().equals("BB")
            || sb.toString().equals("CB")) {
        result.append("A");
```

This is highly mutable StringBuilder is preferable.

```
public static String change(String s){
   String toRet = "";
   String buff = "";
   for (int i=0; i<s.length(); i++) {
       buff += s.charAt(i);
       if (i != 0) {
            if (buff.equals("AA")) toRet += "B";
            else if (buff.equals("AB")) toRet += "A";
            else if (buff.equals("AC")) toRet += "A";
            else if (buff.equals("BA")) toRet += "C";
            else if (buff.equals("BB")) toRet += "A";
            else if (buff.equals("BC")) toRet += "C";
            else if (buff.equals("CA")) toRet += "AA";
            else if (buff.equals("CB")) toRet += "A";
            else if (buff.equals("CC")) toRet += "BB";
            buff = buff.charAt(1) + "";
```

Ctrl+Alt+L = Format Code

Please use extensively.

1 project per cvičenie -> 😊

Výber súboru v riešení:

