

Given a dictionary of words and a paragraph, write a function to bold the words in dictionary. Continuous bold words should have a single tag.

```
public String addBoldTag(String s, String[] dict) {  
    boolean[] bold = new boolean[s.length()];  
    for(int i = 0; i < s.length(); i++){  
        for(String st : dict){  
            if(s.charAt(i) == st.charAt(0) && (s.length() - i >= st.length()) && s.substring(i, i +  
st.length()).equals(st)){  
                for(int j = i; j < i + st.length(); j++){  
                    bold[j] = true;  
                }  
                //break;  
            }  
        }  
    }  
    boolean boldOn = false; String output = "";  
    for(int i = 0; i < s.length(); i++){  
        if(bold[i] && !boldOn){  
            output += "<b>" + s.charAt(i);  
            boldOn = true;  
        }  
        else if(!bold[i] && boldOn){  
            output += "</b>" + s.charAt(i);  
            boldOn = false;  
        }  
        else{  
            output += s.charAt(i);  
        }  
    }  
    if(boldOn) output += "</b>";  
    return output;  
}
```

}