# Problem 2 – Email Censorship

The SoftUni team is developing a new layer of defense against email spam. Help them by writing a PHP program that reads a text and blacklist, censors the blacklisted emails in the text, and prints the rest of the emails as HTML hyperlinks.

You will receive a **text** and a **blacklist**. The text contains **several emails**. For example, in the following text there are 4 email addresses:

*“Hi, I'm an air-conditioner technician, so if you need any assistance you can contact me at* ***air-conditioners@gmail.com*** *. Secondary email:* ***kinky\_technician@yahoo.in*** *or at* ***naked-screwdriver@abv.bg*** *OR* ***pesho@dir.tk****”*

The blacklist contains 3 entries: **\*.bg**, **pesho@dir.tk**, **\*.com**. The asterisk **\*** denotes **any email address which ends with that signature**. Full email addresses denote **a specific email address**.

Among the 4 email addresses in the text, there are 3 that should be censored:

* ***air-conditioners@gmail.com*** – ends with **.com**
* ***naked-screwdriver@abv.bg*** *–* ends with **.bg**
* ***pesho@dir.tk*** – specifically mentioned in the blacklist

The censored emails should be **replaced with asterisks equal to their length**.

“*Hi, I'm an air-conditioner technician, so if you need any assistance you can contact me at \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* . Secondary email: kinky\_technician@yahoo.in or at \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* OR \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*”*

The only email whose domain is missing from the blacklist and is not directly mentioned is ***kinky\_technician@yahoo.in***. As such, it should be replaced as an HTML hyperlink in the format

**<a href="mailto***:[email]***">***[email]***</a>** in the same text.

### Input

The input will be read from an **HTTP GET request**. The **text** will be received from a **text** **input field with name 'text'**. The **blacklist** will be received from a **textarea** **with name 'blacklist'**, holding each entry on a separate line.

### Output

The resulting text should be printed as an HTML paragraph (enclosed with **<p></p>** tags). The email addresses should be printed according to the rules above.

### Constraints

* There will be no more than 10 **entries** in the blacklist.
* All valid emails in the text will be in the format **xxxx@yyyy.zzz** and will follow these rules:
  + **xxxx** will only contain 1 or more **numbers**, **Latin letters**, **+**, **\_** and **-**
  + **yyyy** will only contain 1 or more **numbers**, **Latin letters** and **–**
  + **zzz** will only contain 1 or more **numbers**, **Latin letters**, **-** and **.**

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | | **Output** |
| text | Hi, I'm an air-conditioner technician, so if you need any assistance you can contact me at air-conditioners@gmail.com . Secondary email: kinky\_technician@yahoo.in or at naked-screwdriver@abv.bg OR pesho@dir.tk | <p>Hi, I'm an air-conditioner technician, so if you need any assistance you can contact me at \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* . Secondary email: <a href="mailto:kinky\_technician@yahoo.in">kinky\_technician@yahoo.in</a> or at \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* OR \*\*\*\*\*\*\*\*\*\*\*\*</p> |
| blacklist | \*.bg  pesho@dir.tk  \*.com |