Problem 3 – Extract Hyperlinks

Write a program to **extract all hyperlinks** (**<href=…>**) from a given text. The text comes from the console on a variable number of lines and ends with the command "END". Print at the console the **href** values in the text.

The input text is **standard HTML code**. It may hold many tags and can be formatted in many different forms (with or without whitespace). The **<a>** elements may have many attributes, not only **href**. You should extract only the values of the **href** attributes of all **<a>** elements.

Input

The input data comes from the console. It ends when the "END" command is received.

Output

Print at the console the **href** values in the text, each at a separate line, in the order they come from the input.

Constraints

- The input will be **well formed HTML fragment** (all tags and attributes will be correctly closed).
- Attribute values will never hold tags and hyperlinks, e.g. "**<img alt='<a href="hello">' />**" is invalid.
- Commented links are also extracted.
- The number of input lines will be in the range [1 ... 100].
- Allowed working time: 0.1 seconds. Allowed memory: 16 MB.

Examples

Input	Output
`<a href="http://softuni.bg" class="new"></a>` `END`	`http://softuni.bg`
`<p>This text has no links</p>` `END`	

`<!DOCTYPE html>`
`<html>`
`<head>`
`<title>Hyperlinks</title>`
`<link href="theme.css" rel="stylesheet" />`
`</head>`
`<body>`
`<ul><li><a   href="/"  id="home">Home</a></li><li><a`
`class="selected" href=/courses>Courses</a>`
`</li><li><a href =`
`'/forum' >Forum</a></li><li><a class="href"`
`onclick="go()" href= "#">Forum</a></li>`
`<li><a id="js" href =`
`"javascript:alert('hi yo')" class="new">click</a></li>`
`<li><a id='nakov' href =`
`http://www.nakov.com class='new'>nak</a></li></ul>`
`<a href="#empty"></a>`
`<a id="href">href='fake'<img src='http://abv.bg/i.gif'`
`alt='abv'/></a><a href="#"><a href='hello'></a>`
`<!-- This code is commented:`
`<a href="#commented">commentex hyperlink</a> -->`
`</body>`
`END`
	`/`
	`/courses`
	`/forum`
	`#`
	`javascript:alert('hi yo')`
	`http://www.nakov.com`
	`#empty`
	`#`
	`#commented`