

Problem 3 – More cookies

Actually, there are no cookies at all.

Your task is to parse CookieLESS to CookieHas.

Sample CookieLESS:

CookieLESS	Parsed CookieHas
<pre>#the-big-b{ color: big-yellow; size: big; .the-little-bs{ color: yellow; } } .muppet{ skin: fluffy; \$.water-spirit{ powers:all; } }</pre>	<pre>#the-big-b { color: big-yellow; size: big; } #the-big-b .the-little-bs { color: yellow; } .muppet { skin: fluffy; } .muppet.water-spirit { powers:all; }</pre>

CookieLESS has the following rules:

- There are three types of selectors:
 - #id, .class and element
- Selectors can be nested
 - i.e. #sel-1 { .sel-2 { /* ... */ } } is valid selector nesting and produces two different selectors:
 - #sel-1 { /* its properties */ }
 - #sel-1 .sel-2 { /* its properties */ }
 - Valid selectors are
 - #the-big-b.muppet (with space between)
 - Nested selectors will be less than 100
- Selectors have properties:
 - Properties are surrounded by { and }
 - Each property has a name and a value, that are separated by ':'
 - Each property name-value pair ends with ';'.
- There is also the special CookieLESS symbol **\$ (dollar)** (no cookies cost money...)
 - **\$ continues the previous selector** (see in the example for clearness)

Since the MNet (the Muppet Net) has a cookie, it does not understand CookieLESS. Your task is to parse CookieLESS to CookieHas

- Removing all unnecessary whitespace or add necessary whitespace
 - Only a single space must remain in the following conditions:
 - Between nested selectors ("#big-b .small-bs" must be "#big-b .small-bs")
 - After selector and before opening bracket ("#big-b{" must be "#big b {")
 - Before property names there must be exactly 2 spaces ("property-name: value" must be " property-name: value")
 - After the ':' in properties ("property-name:value" must be "property-name: value")
 - All other whitespace must be removed

- Whitespace means: space, tabs, new lines, etc...
- All lines with properties must end with ";"

You are given an array of selectors and properties in CookieLESS. Each element of the array can contain only one of the following:

- Selectors and opening bracket: "#the-big b {", "\$.the-big-b {", "\$~the-big-b {", "\$>the-big-b {" or "\$+the-big-b {"
- Property name and value, followed by ";": "color:yellow;"
- Closing bracket: "}"
- Whitespaces may occur everywhere, where possible

Output

Return or console.log the resulting CookieHas

Sample solution code (in JavaScript)

```
function solve(args) {  
    var result =...;  
    // Your solution here  
    console.log(result);  
}
```

Constraints

- The lines of CookieLESS will always be less than 600
- Whitespaces count may vary, they will be less than 50 at each possible position
 - Whitespace means: space, tabs, new lines, etc...
- Each line with property name and value will end with ';'.
- Each selector will have at least 1 property name and value
- Nested selectors will be less than 100
- Some of the test cases are designed to test only specific cases, so partial solutions may also earn points
- Allowed working time for your program: **0.20 seconds**. Allowed memory: **32 MB**.

Example

Input	Output
#the-big-b{ color: big-yellow; .little-bs { color: little-yellow; \$.male { color: middle-yellow; } } } .muppet { skin : fluffy; \$.water-spirit { powers : water;	#the-big-b { color: big-yellow; } #the-big-b .little-bs { color: little-yellow; } #the-big-b .little-bs.male { color: middle-yellow; } .muppet { skin: fluffy; powers: all-muppet-powers; }

<pre> } \$>thread{ color: depends; } powers : all-muppet-powers; } </pre>	<pre> .muppet.water-spirit { powers: water; } .muppet>thread { color: depends } </pre>
<pre> .jedi { has: lightsaber; } </pre>	<pre> .jedi { has: lightsaber; } </pre>