Problem 3 – More cookies

Actually, there are no cookies at all.

Your task is to parse CookieLESS to CookieHas.

Sample CookieLESS:

CookieLESS	Parsed **CookieHas**

#the-big-b{
  color: big-yellow;
  size: big;
  .the-little-bs{
    color: yellow;
  }
}
.muppet{
  skin: fluffy;
  $.water-spirit{
    powers:all;
  }
}
	#the-big-b {
	  color: big-yellow;
	  size: big;
	}
	#the-big-b .the-little-bs {
	  color: yellow;
	}
	.muppet {
	  skin: fluffy;
	}
	.muppet.water-spirit {
	  powers:all;
	}

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;
	}

}
powers : all-muppet-powers;
}
	.muppet.water-spirit {
	powers: water;
	}

.jedi {
has: lightsaber;
}
	.jedi {
	has: lightsaber;
	}