# Problem 3 – Message Decoder

You are givenan **array of inputs** with two rows. The first row of the input contains a **number**. The second row contains an **array of strings** with ping transmission information. Your task is to write a PHP script that decodes a secret message hidden in between the ping information. The ping replies are in the format:

“Reply from [***ip\_address***]: bytes=[***size\_in\_bytes***] time=[***time\_in\_milliseconds***]ms TTL=[***time\_to\_live***]”

e.g. “Reply from **95.101.195.91**: bytes=**32** time=**068**ms TTL=**49**"

To find the secret message you should extract the **milliseconds** in the **reply time** and find the **Latin letters** and **spaces** corresponding to the milliseconds. After revealing the message, you should print out a HTML table holding the message. The table’s **columns** are equal to the number in the **first row** of the **input**. If a word goes **outside** the table’s boundary you should continue on a **new row** completing the **unfinished** row with empty cells. Every **separate** **word** should be **printed** on a **new row** as well. **Whitespace** is considered as empty (<td></td>) table cell and the symbol '\*' as **end** of a word.

### Input

The input comes as **JSON-encoded matrix** and will be read from an **HTTP GET** **request** holding a parameter named **jsonTable**. The first row of the input holds the **number of columns** in the matrix. The second row of the matrix holds an **array of strings** which hold the pinging information. There **won’t** be more than **one** space.The input data will always be **valid** and in the format described. There is no need to check it explicitly.

### Output

The output should be a **HTML table** that shows the hidden message (each word on a separate row, each letter in separate cell), colored by changing the cells' background to **#CAF** (see the examples below) where the cells of the matrix are not empty. Ensure all your cell data is correctly encoded as HTML. **Follow strictly the sample HTML output format below.**

### Constraints

* The input **JSON string** will always contain an array of arrays holding an integer value and an array of strings.
* The **column size** will be in the range [1…9].
* Allowed working time: 0.2 seconds. Allowed memory: 16 MB.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output - Visualized** |
| [4,["Ping results:",  "Reply from 95.101.195.91: bytes=32 time=115ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=111ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=102ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=116ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=117ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=110ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=105ms TTL=49"]] |  |
| **Output** | |
| <table border='1' cellpadding='5'><tr><td style='background:#CAF'>s</td><td style='background:#CAF'>o</td><td style='background:#CAF'>f</td><td style='background:#CAF'>t</td></tr><tr><td style='background:#CAF'>u</td><td style='background:#CAF'>n</td><td style='background:#CAF'>i</td><td></td></tr></table> | |
| **Input** | **Output - Visualized** |
| [5,["Ping results:",  "Reply from 95.101.195.91: bytes=32 time=083ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=111ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=102ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=116ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=119ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=097ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=114ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=101ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=042ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=085ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=110ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=105ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=118ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=101ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=114ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=115ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=105ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=116ms TTL=49",  "Reply from 95.101.195.91: bytes=32 time=121ms TTL=49"]] |  |
| **Output** | |
| <table border='1' cellpadding='5'><tr><td style='background:#CAF'>S</td><td style='background:#CAF'>o</td><td style='background:#CAF'>f</td><td style='background:#CAF'>t</td><td style='background:#CAF'>w</td></tr><tr><td style='background:#CAF'>a</td><td style='background:#CAF'>r</td><td style='background:#CAF'>e</td><td></td><td></td></tr><tr><td style='background:#CAF'>U</td><td style='background:#CAF'>n</td><td style='background:#CAF'>i</td><td style='background:#CAF'>v</td><td style='background:#CAF'>e</td></tr><tr><td style='background:#CAF'>r</td><td style='background:#CAF'>s</td><td style='background:#CAF'>i</td><td style='background:#CAF'>t</td><td style='background:#CAF'>y</td></tr></table> | |