

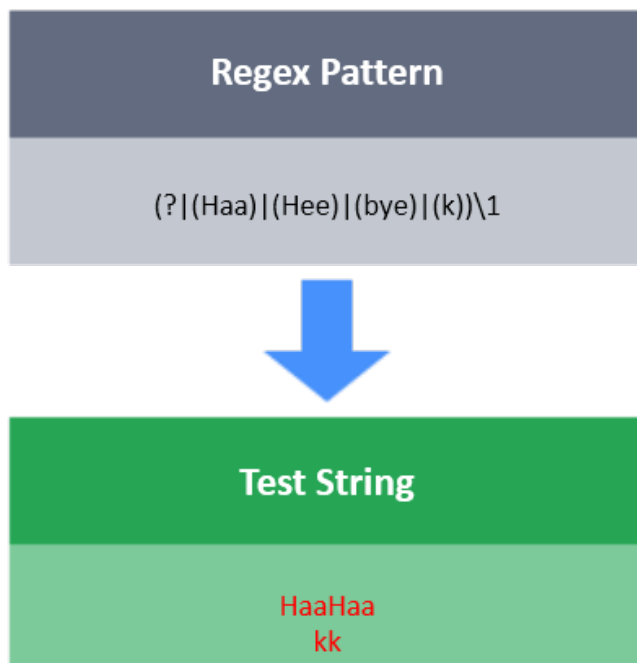
# Branch Reset Groups

**NOTE** - Branch reset group is supported by Perl, PHP, Delphi and R.

`(?|regex)`

A [branch reset group](#) consists of alternations and capturing groups. `(?/(regex1)/(regex2))`

Alternatives in branch reset group share same capturing group.



*In the above image, Regex Pattern is matched with the Test String.*

## Task

You have a test string  $S$ .

Your task is to write a regex which will match  $S$ , with following condition(s):

- $S$  consists of 8 digits.
- $S$  must have "---", "-", ".", or ":" separator such that string  $S$  gets divided in 4 parts, with each part having exactly two digits.
- $S$  string must have exactly one kind of separator.
- Separators must have integers on both sides.

## Valid $S$

```
12-34-56-78
12:34:56:78
12---34---56---78
12.34.56.78
```

## Invalid $S$

```
1-234-56-78
12-45.78:10
```

## Note

This is a regex only challenge. You are not required to write any code.  
You only have to fill the regex pattern in the blank (  ).