

Metacharacters

- `\w` - any letter
- `\w+` - any word
- `\d` - any number
- `\s` - any whitespace
- `\S` - any character non-space
- `.` - every symbol except end of line
- `\n` - end of line

Metacharacters

[] - everything used within brackets directly relates to search of the characters

| - OR syntax

^ - starts matching from the beginning of the text element

\A - starts matching from the beginning of the text element, but not affected by newline character (\n)

\$ - starts matching from the end of the text element

\Z - Matches only at the end of the string, but not affected by the newline character

\b - for matching only separated, by space or other character like comma, dot, dash, words.

\B - matching only sequences that exists within words, but doesn't start or end exactly with

Flags

S – are use with `.`(dot) to match any character including newline symbol

I – case sensitive matching

L – for matching non English alphabet text

M – used with `^` and `$` to treat whole text as single text for each new line

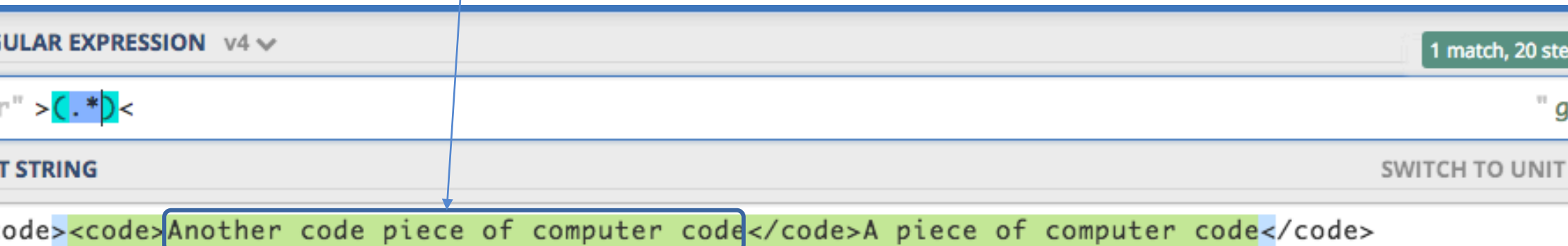
X – allows to use white spaces and commenting for better REGEX readability

Non-Greedy matching

{m,n}? – defining exact start and ending of elements to match

*? – stop matching at first occurrence of the pattern

We want only this piece



The screenshot shows a regex testing interface. The top bar indicates 'REGULAR EXPRESSION v4' and '1 match, 20 steps'. The input string is '<code>Another code piece of computer code</code>A piece of computer code</code>'. The pattern is '<code>.*</code>'. The match result is highlighted in green and shows '<code>Another code piece of computer code</code>', which is also enclosed in a blue box. A blue arrow points from the text 'We want only this piece' to this box.

```
<code>Another code piece of computer code</code>A piece of computer code</code>
```

But how about for this one?

<https://regex101.com/r/qrI054/6>