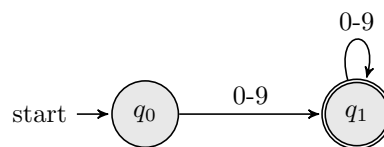# NLP - Exercise 01

Armaghan Hosseini Jafari
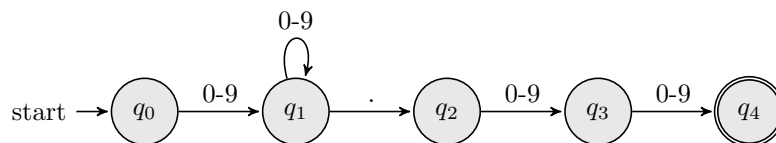
1 " /\$[0-9]+/ "

1.1 Answers: 1 digit number between [0-9] or n digit number

- 0 |1 |... |9
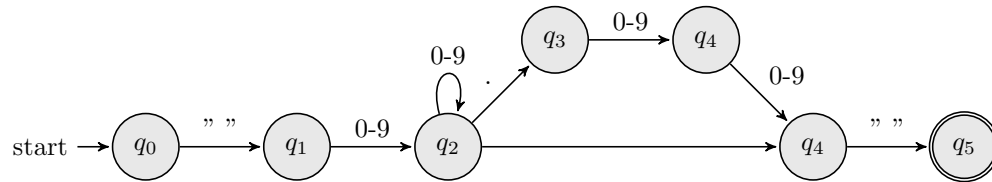- 10 |11 |20 |99 |...
- ...
- 91823 |...

2 " /\$[0-9]+\.[0-9][0-9]/ "

2.1 Answers: 1 or N-digit numbers with 2 decimal place

- 0.01
- 84.91
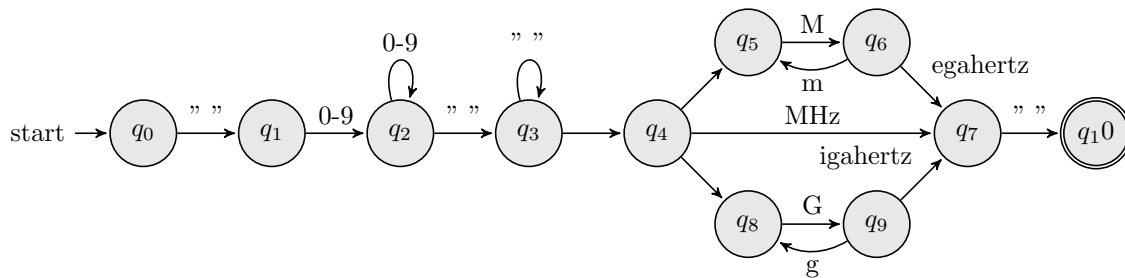- 91823.66

3 " /\b$[0-9]+(\.[0-9][0-9])?\b/ "

3.1 Answers:

One or n-digit number with two optional decimal digits. And this number is between two spaces.

- " 1 " |" 96 " |" 86654 " |...

- " 0.02 " |" 34534.53 " |...

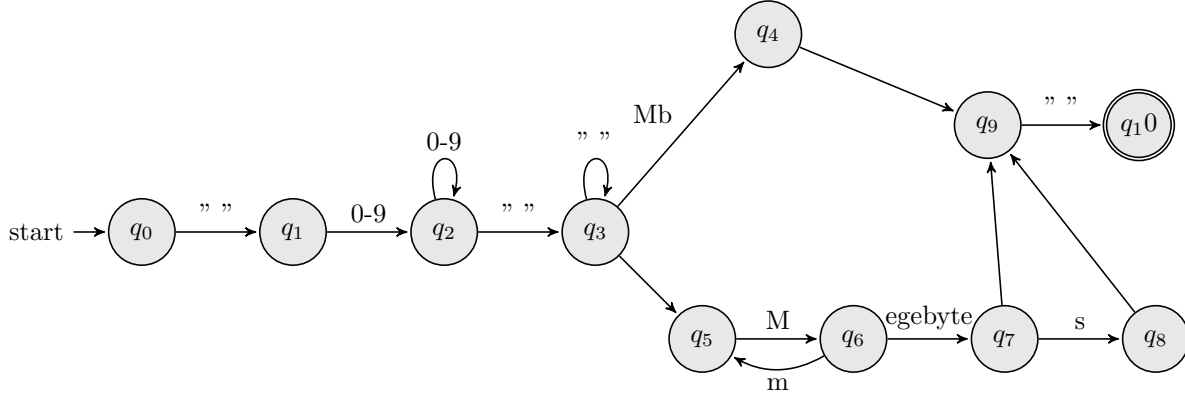# 4 " /\b[0-9]+ *(MHz|[Mm]egahertz|GHz|[Gg]igahertz) \b/ "

4.1 Answers:

A phrase contains a one or N-digit number and a unit. The unit contains 5 types of writing that can be selected. The space between the number and it's unit can include 1 or infinite space. This phrase is located between 2 spaces.

- " 5 Megahertz "

- " 867 megaherz"

- " 9345758475   Gigahertz"
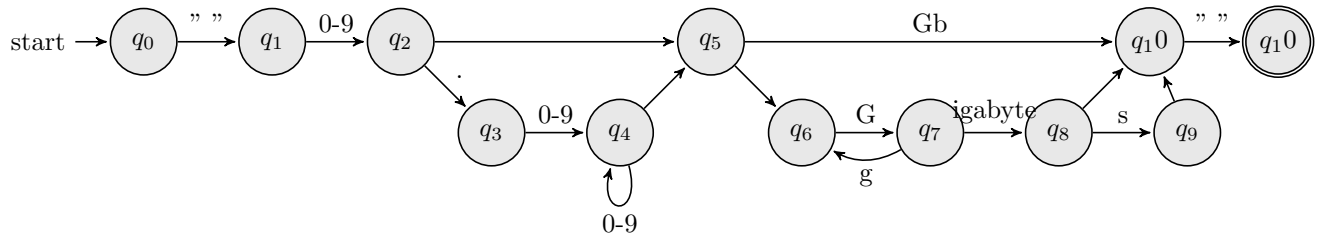
5 " /\b[0-9]+ *(Mb|[Mm]egabytes?)\b/ "

5.1 Answers:

A phrase contains a one or N-digit number and it can have a unit or not. The unit of measure consist of **3** types of writing that can be selected. The space between the number and it's unit can include **1** or infinite space. The plural of "megabyte" is optional. The two plural and singular modes of this word can be selected.
This phrase is located between 2 spaces.

- " 5 Mb "
- " 867 megabyte"
- " 9345758475   Megabytes"

6 " /\b[0-9](\.[0-9]+)? *(Gb|[Gg]igabytes?)\b/ "

6.1 Answers:

A one or n-digit number with two optional decimal digits and a unit of measurement that has two writing modes. "Gigabyte" can be used plural or singular, and the whole phrase is between two spaces.

- " 5 Gb "
- " 867.023479 gigabyte"
- " 9345758475.1   Gigabytes"