```
import glob
import string
import re
from pprint import pprint as pp


def part1(input):
    return re.search(' A{2,5} ',input)


def part2(input):
    return re.sub(r"-?[0-9]+\.*[0-9]*", "float", input)


def part3(input):
    return re.subn(r"-?[0-9]+\.*[0-9]*", "float", input)[1]


def part4(input):
    Sum = 0
    Match = re.findall(r"-?[0-9]+\.*[0-9]*", input)
    for item in Match:
        Sum += float(item)
    return Sum / len(Match)


def part5(input):
    return re.sub("EE364", "EE461", input, 1 )
```

```
def part6(input):
    Match = re.match(r"(25[0-5]|2[0-4][0-9]|[0-1][0-9][0-9]|[0-9]{1,2})\.(25[0-5]|2[0-4][0-9]|[0-1][0-9][0-9]|[0-9]{1,2})\.(25[0-5]|2[0-4][0-9]|[0-1][0-9][0-9]|[0-9]{1,2})\.(25[0-5]|2[0-4][0-9]|[0-1][0-9][0-9]|[0-9]{1,2})$", input)

    if Match:
        return True
    return False


def part7(input):
    pass
    #re.search("e", input, re.I)
    #returns the location of e or E in a string
    #re.match("(.*)(is a)(.*)", input)
    #returns the location of "is a" inside s string
    #re.match("(?P.*)(?Pis a)(?P.*)", input)
    #error, does not do anything
    #re.search("(I){1}(like){10,}(you){1,2}", input)
    #finds one occurrences of I followed by at least 10 repetitions of "like" followed by 1 to 2 repetitions of you
```