Task 1: Special objects

Can you full in the blanks?

```
# write code here
print(a) # prints 1
print(b) # prints 1
print(a-b) # prints 2
```

Hint 1: var a and b are not int's

Hint 2: Give subtraction another meaning

Task 2: CIDR subtraction

With the knowledge of assigment 1, can you fill in the blanks?

```
# write code here
print(a) # prints 192.168.1.0/24
print(b) # prints 192.168.1.16/29
print(a-b) # prints ['192.168.1.0/28', '192.168.1.24/29', '192.168.1.32/27', '192.168.1.64/26
', '192.168.1.128/25']
```

In case you need help ..

If you don't need it just skip this section. Please read if you are not familier with CIDRs: http://software77.net/cidr-101.html

Also let's consider example:

```
print(a) # prints 192.168.1.0/29
 print(b) # prints 192.168.1.0/31
 print(a-b) # prints ['192.168.1.2/31', '192.168.1.4/30']
First CIDR to range (assume 192.168 is x.x for simplicity)
x.x.00000001.00000000 / 29 192.168.1.0/29 x.x.111111111.11111000 mask: / 29 x.x.1.0 - x.x.1.7
Subtracted CIDR to range:
x.x.00000001.00000000 / 31 192.168.1.0/31 x.x.111111111.11111110 mask: / 31 x.x.1.0 - x.x.1.1
Subtract ranges to get result range: x.x.1.0 - x.x.1.7 - x.x.1.0 - x.x.1.1 = x.x.1.2 - x.x.1.7
  NOTE: this subtraction produces one range
                 x.x.1.1 || x.x.1.2 || x.x.1.3 || x.x.1.4 || x.x.1.5 || x.x.1.6 || x.x.1.7
     x.x.1.0 \parallel x.x.1.1
                            x.x.1.2 | x.x.1.3 |
                                                  | x.x.1.4 | x.x.1.5 | x.x.1.6
  In another example you will face with situation which will produce 2 ranges:
```

Convert range to CIDR:

```
x.x.1.00000010 \__ x.x.1.2/31

x.x.1.00000011 /

x.x.1.00000100 \

x.x.1.00000101 \__ x.x.1.4/30

x.x.1.00000110 /

x.x.1.00000111 /
```