

YOE Coste 199088 yx

Parte 2

```
1) c) def numero-digitos-pares(n):  
    res = 0  
    while n != 0:  
        i = n % 10  
        n = n // 10  
        if i % 2 == 0:  
            res += 1  
    return res
```

```
1) a) def numero-digitos-pares(n):  
    if n == 0:  
        return 0  
    i = n % 10  
    if i % 2 == 0:  
        return numero-digitos-pares(n // 10) + 1  
    else:  
        return numero-digitos-pares(n // 10)
```

```
1) b) def numero-digitos-pares(n):  
    def numero-digitos-pares-aux(n, res):  
        if n == 0:  
            return res  
        i = n % 10  
        if i % 2 == 0:  
            return numero-digitos-pares-aux(n // 10, res + 1)  
        else:  
            return numero-digitos-pares-aux(n // 10, res)  
    return numero-digitos-pares-aux(n, 0)
```


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```
2) def caps(cop, pol):  
    res = {}  
    for p in pol:  
        for polara in pol[p]:  
            for c in cop:  
                if cop[c][0] < polara < cop[c][1]:  
                    if c not in res:  
                        res[c] = []  
                    else: res[c] += [p]  
    return res
```

```
3) a) def modifica_polara(free):  
    res, num = 1, 1  
    for i in free:  
        res = res * (n-esimo-primo(n) ** cord(i))  
    return res
```

```
b) def modifica_polara(n):  
    v, t, l = 1, 0, []  
    while n != 1:  
        while n % n-esimo-primo(v) == 0:  
            n = n // n-esimo-primo(v)  
            if len(l) != v:  
                l += [1,]  
            else:  
                l[v-1] += 1  
        v += 1  
    return n "2**" + str(l[0]) + "3**" + str(l[1]) + ...
```