Securité 1 chiffrement symétrique

- Partie 3

## **Corrections**

## 3.1 Chiffrement symetrique par la fonction XOR

```
def bin2text(bits):
      i = 0
      m = ''
      while i + 8 <= len(bits):</pre>
        oct = bits[i:i+8]
          m += chr(bin2dec(oct))
          #print(oct)
          i = i+8
      return m
ii >>> bin2text('01001000010001010011000100110001001111')
>>> 'HELLO'
def xor(a,b):
    return int(a!=b)
def chiffre_xor(bits,cle):
     # bits: str constitué de bytes
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     # cle: str
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     m = ''
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     for b in range(len(bits)):
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          bit1 = int(bits[b])
          bit2 = int(cle[b%len(cle)])
          m += str(xor(bit1,bit2))
    return m
```

## en console: