

```
def inverse_chaine(chaine):
    result = ''
    for caractere in chaine:
        result = caractere + result
    return result

def est_palindrome(chaine):
    inverse = inverse_chaine(chaine)
    return chaine == inverse

def est_nbre_palindrome(nbre):
    chaine = str(nbre)
    return est_palindrome(chaine)

assert inverse_chaine('bac') == 'cab'
assert est_palindrome('NSI') == False
assert est_palindrome('ISN-NSI') == True
assert est_nbre_palindrome(214312) == False
assert est_nbre_palindrome(213312) == True
```