```
def print boolean(func):
  print(func('verdadeiro')('falso'))
V = lambda x : lambda y : x
F = lambda x : lambda y : y
NEG = lambda p: p(F)(V)
XOR = lambda p: lambda q: p(NEG(q))(q) # XOR em lambda termos
print boolean(XOR(F)(F))
print boolean(XOR(F)(V))
print boolean(XOR(V)(F))
print boolean(XOR(V)(V))
falso
verdadeiro
verdadeiro
falso
```

$$NEG := \lambda p. \ p \ F \ V$$

- $XOR := \lambda pq. \ p \ (NEGq) \ q$ $(\lambda pq. \ p \ (NEGq) \ q) \ F \ F \ \rhd F(NEGq) F \ \rhd F \ V \ F \ \rhd F$
 - $(\lambda pq. p(NEGq)q) F V \triangleright F(NEGq)V \triangleright F F V \triangleright V$
 - $(\lambda pq. p(NEGq) q) V F \triangleright V(NEGq) F \triangleright V V F \triangleright V$
 - $(\lambda pq. p(NEGq) q) V V \triangleright V(NEGq) F \triangleright V F V \triangleright F$