```
abstract class NotNode extends CastToBooleanNode {
@Specialization
boolean doBool(boolean operand) {
   return !operand;
}
@Specialization
boolean doInteger(int operand) {
   return operand == 0;
}
@Specialization
boolean doBigInteger(BigInteger operand) {
   return operand.compareTo(BigInteger.ZERO) == 0;
}
@Specialization
boolean doDouble(double operand) {
   return operand == 0;
}
@Specialization
boolean doString(String operand) {
   return operand.length() == 0;
}
@Specialization
boolean doPList(PList operand) {
   return operand.len() == 0;
}
@Fallback
boolean doGeneric(PythonObject operand) {
   return !operand. bool ();
```