

```
abstract class NotNode extends UnaryOpNode {
```

```
    @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__();  
    }
```

```
}
```