

### CABALLEROS Y BRIBONES

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#### **ENUNCIADO**

En un acertijo de Caballeros y bribones, se proporciona la siguiente información:

- Cada personaje es un caballero o un bribón.
- Un caballero siempre dirá la verdad.
- Por el contrario, un bribón siempre mentirá.

01
PUZZLES









## PRIMER PUZZLE











```
knowledge0 = And(
    Biconditional(AKnight, And(AKnight, AKnave)),
    Biconditional(AKnight, Not(AKnave)),
)
```

Puzzle 0
A is a Knave



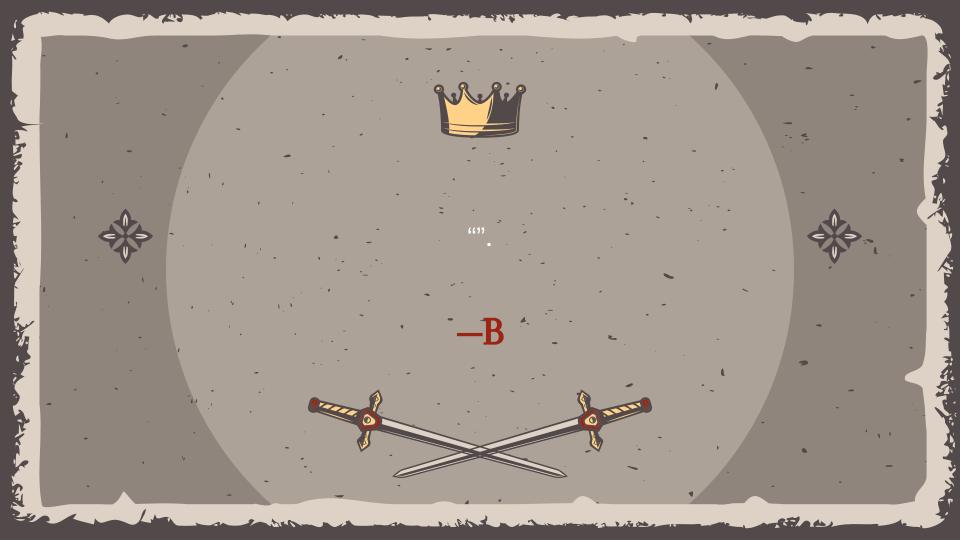


# SEGUNDO PUZZLE













```
knowledge1 = And(
    Biconditional(AKnight, Not(AKnave)),
    Biconditional(BKnight, Not(BKnave)),
    Biconditional(BKnave, AKnight),
    Implication(AKnight, And(AKnave, BKnave)),
)
```

Puzzle 1

A is a Knave

B is a Knight





### TERCER PUZZLE













```
knowledge2 = And(
    Biconditional(AKnight, And(AKnight, BKnight)),
    Biconditional(BKnight, Not(AKnight)),
    Implication(BKnight, AKnave)
)
```

Puzzle 2

A is a Knave

B is a Knight





## CUARTO PUZZLE















```
knowledge3 = And(
    Biconditional(AKnight, Not(AKnave)),
    Biconditional(BKnight, Not(BKnave)),
    Biconditional(CKnight, Not(CKnave)),

Or(AKnight, AKnave),
    Biconditional(BKnave, And(AKnight, BKnight)),
    Biconditional(CKnave, BKnight),
    Biconditional(AKnave, CKnave),
)
```

Puzzle 3

A is a Knave

B is a Knight

C is a Knave



### GRACIAS!

Long live the king!



