

# Boole and Boolean Logic

Chapter 15

Jordan Stevens

# George's Early Life

- Born in Lincoln 1815
- Self-working family
- Shamed
- Self Improvement
- Hobby with father

# Education

- Poor around England
- Ran by religion
- Educated himself
- Accepted into normal school
- Taught future teachers
- Librarian

# His School

- Taught math
- Dug deeper into the subject
- Bad textbooks
- Original work in Algebra
- Discovered invariants
- 24 articles

# Achievements

- Passed on college
- Ten years of research
- Higher mathematics
- 1844 gold medal from Royal Society
- Logic of mathematics

# Computers

- 0-9 numbers
- ON and OFF
- Binary system
- NOT AND OR
- All derived from Boole's logic

# Electrical System

- ON and OFF principle
- Circuits used binary notation
- Can be proved by Truth Tables



# Importance

- Dominance of computers
- Logic represented by symbols
- Boolean operators burned into the hard drive