

## Compression Code Puzzle 4: Solution

This is a variation of Isaac Asimov's Three Laws of Robotics from the I Robot series of stories

### FIRST LAW

A ROBOT MUST NOT  
INJURE A HUMAN BEING  
OR THROUGH INACTION  
ALLOW A HUMAN BEING TO COME TO HARM

### SECOND LAW

A ROBOT MUST  
OBEY THE ORDERS GIVEN IT  
BY A HUMAN BEING  
EXCEPT WHERE THE ORDERS  
CONFLICT WITH THE FIRST LAW

### THIRD LAW

A ROBOT MUST  
PROTECT ITS OWN EXISTENCE  
EXCEPT WHERE THE PROTECTION  
CONFLICTS WITH THE FIRST LAW OR SECOND LAW

Part of Asimov's aim was to show that such rules even hard-wired into robot "brains" could not prevent machines doing harm of the kind the laws were trying to avoid. In each story the robots correctly follow the laws but unexpected harm still happens.