

# Cranium Calisthenics

(Hint for Homework #4)

Having trouble solving this week's Cranium Calisthenics? Try making a simple truth table.

You know that you need to have exactly three false statements, so consider each possibility. Write the name of each person to assume they are the killer. Under each name, go down the list of statements and write a "T" or an "F" to indicate whether each statement would be true or false, based on the presumed fact for that column (that the person named at the top is the killer).

For example, take the first statement by Tuck, "I am not the killer." If Shuck was the killer (as assumed in the first column), then Tuck's statement would be true - he is not the killer. So put a "T" under "Shuck" next to Tuck's statement.

Keep filling-in the table. There will only be one person named as the killer whose set of statements below will have three "F's" and one "T". That is the killer!

	<u>Shuck</u>	<u>Cluck</u>	<u>Luck</u>	<u>Tuck</u>
Tuck: I am not the killer.	T			
Luck: Chuck was murdered by Shuck.				
Cluck: Luck killed Chuck!				
Shuck: I did not kill Chuck!				