

BRAIN BUSTERS

Energy Savings Logic Puzzle

Four students have organized energy saving techniques in 4 different rooms. Each student has a different technique and a different room. Use the clues below to match the student, technique, and room.

Clue 1: Either student 3 or the energy star appliance technique are in the living room.

Clue 2: Student 2 is in the kitchen.

Clue 3: Student 4, the living room, and the energy star technique are all separate.

Clue 4: LED lights are either used by student 1 or are used in the bathroom.

Clue 5: Of the programmable thermostat and the use of energy star appliances, one is in the living room and one is in the laundry room

		Students				Energy Saving Technique			
		1	2	3	4	Turn off lights	Use LED lightbulbs	Programmable Thermostats	Use Energy Star Appliances
Room	Living Room								
	Kitchen								
	Bathroom								
	Laundry Room								
Energy Saving Technique	Turn off lights								
	Use LED Lightbulbs								
	Programmable Thermostats								
	Use Energy Star Appliances								

Hint: Place an X in any box that cannot be true and a star in any box that must be true. Anytime a star is placed, X's can be placed in all other boxes in that column and row.

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Example

Example 1: when a star is placed based on the clues, X's can be placed in all the other boxes in the row and column.

	-	=	≡	IV	1	2	3	4
A		X						
B		X						
C	X	☆	X	X				
D		X						
1								
2								
3								
4								

Example 2: Completed puzzles should look like this.

	-	=	≡	IV	1	2	3	4
A	X	X	X	☆	X	X	☆	X
B	☆	X	X	X	☆	X	X	X
C	X	☆	X	X	X	☆	X	X
D	X	X	☆	X	X	X	X	☆
1	☆	X	X	X				
2	X	☆	X	X				
3	X	X	X	☆				
4	X	X	☆	X				