Four agents work for Acme auto and life casualty (one is Bill). Last week each agent sold a new policy (one was for theft), to one of four clients (one of whom was a man named Alex).

From the clues provided below can you tell which agent sold which policy to which client?

CLUES

1. Roger did not sell a policy to a woman.
2. Mary did not buy her policy from Susan.
3. Jane neither purchased the auto or the life policy.
4. A woman client purchased a new life insurance policy with a woman agent.
5. Stan bought an auto policy from either Bill or Roger.
6. Both women agents did not sell policies to both women (neither did the men agents).
7. Susan did not sell the home policy.

<table>
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<th>ACME Insurance</th>
<th>Home</th>
<th>Life</th>
<th>Auto</th>
<th>Theft</th>
<th>Alex</th>
<th>Stan</th>
<th>Mary</th>
<th>Jane</th>
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(SEE PAGE 2 FOR SOLUTIONS-STEP-BY-STEP)
step-by-step:

- Let's look at the first clue "Roger did not sell a policy to a woman." Locate the row labeled 'Roger' and find the columns with both women customers (Jane, Mary). Now click the grid squares [Roger-Jane, Roger-Mary] until the 'red xx' appears.

- Our next clue "Mary did not buy her policy from Susan." Click the grid squares [Susan-Mary] until the 'red xx' appears.

- Reading the next clue "Jane purchased neither the auto or the life policy." Click the grid squares [Jane-Life, Jane-Auto] until the 'red xx' appears.

- The next clue is "A woman client purchased a new life insurance policy with a woman agent." Locate the row with women clients (Mary, Jane) and the column with 'LIFE', notice that Jane-Life has been eliminated, therefore Mary has to be the "...woman client" of this clue. Therefore, click on grid square [Mary-Life] until the 'green box' appears.

*IMPORTANT:* (However 'DO NOT' forget to make the following grid square eliminations): [Mary-Home, Mary-Auto, Mary-Theft, Alex-Life, Stan-Life], and since neither Roger or Susan has sold a policy to Mary, eliminate these grid squares: [Susan-Life, Roger-Life]

Now from the last part of this clue ("...woman agent"), we can make the following elimination: [Bill-Mary],
(By doing so we can see that the 'woman agent' must be 'Joan'!).

So click on the grid squares [Joan-Life, Joan-Mary] until the 'green box' appears for both.

*IMPORTANT:* Lets make our grid square eliminations for the following:
[Joan-Home, Joan-Auto, Joan-Theft, Bill-Life, Roger-Life, Susan-Life] as well as
[Joan-Alex, Joan-Stan, Joan-Jane, Roger-Mary, Susan-Mary].

• The next clue "Stan bought an auto policy from either bill or roger."
  Locate and click on grid square[Stan-Auto] until this box is 'green'.

  Make your grid eliminations: [Stan-Home, Stan-Theft, Alex-Auto].
  The second part of this clue ("...from either bill or roger" ), allows us to make another elimination of the grid square [Susan-Auto].

• This next clue"Both women agents did not sell policies to both women (neither did the men agents)."
  To understand this clue we take into account that agent 'Joan has sold a policy to Mary', therefore,

  Susan could not have sold a policy to Jane. Locate [Susan-Jane] and place a red xx in that square.
  This leads to the conclusion that Bill must have sold the policy to Jane (locate grid square [Bill-Jane] and click until the 'green box' appears there- this of course leads to the elimination of [Bill-Alex, Bill-Stan, Bill-Auto] ).

• Now our last clue is"Susan did not sell the home policy".
  First locate [Susan-Home] and after adding the 'red xx', we see that Susan must have sold the "Theft" policy.

  Select grid [Susan-Theft] and add a 'green box' there, making the eliminations:
  [Roger-Theft, Bill-Theft].
This results in the conclusion that Bill must have sold the "HOME" policy.
So find [Bill-Home, Jane-Home] and add a 'green box' to each
( which means[Roger-Home, Alex-Home] are eliminated in turn),

This leads to the following conclusions: Roger sells the auto policy to Stan!
(grid square[Roger-Auto, Roger-Stan] to 'green), (eliminating
[Roger-Alex, Susan-Stan], leading to the final grid squares:
[Susan-Alex, Alex-Theft] to 'green'.

• Congratulations! Puzzle solved. To summarize:

Bill sold the Home policy to Jane.
Joan sold the Life policy to Mary.
Roger sold the Auto policy to Stan.
Susan sold the Theft policy to Alex.