

AI Practical Sheet 4

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Solution Exercise 3:

Below is the initial solution we got from the conditions mentioned in the problem statement:

	Appetizer	Main Course
Eve	cheese	steak
Adam	cheese	steak
Mike	salad	pasta
Paula	soup	cheese

If we try to negate one of the items from the solutions, we should get another solution if it's possible. Below we got another solution:

	Appetizer	Main Course
Eve	cheese	pasta
Adam	cheese	steak
Mike	cheese	pasta
Paula	soup	salad

Since both the above solutions satisfy all given conditions, we can conclude that there is more than one solution.