

Supplementary Materials

Stimulus Material

1 Scenario:

Mark has just arrived home from work and there will shortly be a great movie on television to which he has been looking forward. Mark is quite excited because he recently bought a new TV with a large screen. He has a longing for popcorn, but his wife has probably eaten the last they had while he was gone.

PO, HH: 'If Mark presses the power button on his TV, then the TV will be turned on.'

PO, LH: 'If the sales clerk in the local supermarket presses the power button on Mark's TV, then it will be turned on.'

PO, LL: 'If Mark pulls the plug on his TV, then it will be turned off.'

PO, HL: 'If Mark looks for popcorn, then he will be having popcorn.'

IR, HH: 'If Mark is wearing socks, then his TV will be working.'

IR, HL: 'If Mark is wearing socks, then the TV will be malfunctioning.'

IR, LL: 'If Mark is wearing a dress, then the TV will be malfunctioning.'

IR, LH: 'If Mark is wearing a dress, then his TV will be working.'

2 Scenario:

Lucas is writing an essay on his computer and wants to continue until he is finished. He probably started far too late on it to meet the deadline, but he hopes that his professor will accept his essay anyway.

PO, HH: If Lucas acts as he has set out to, then he will finish his essay.

PO, LH: If Lucas' professor does most of the work for him, then Lucas will finish his essay.

PO, LL: If Lucas' professor does most of the work for him, then Lucas will lay down the work to do something else.

PO, HL: If Lucas works as hard as he can, then he will meet the deadline.

IR, HH: If Lucas' professor is employed by the university that Lucas is attending, then Lucas will finish his essay.

IR, HL: If Lucas' professor is employed by the university that Lucas is attending, then Lucas will fail to finish his essay.

IR, LL: If Lucas' professor delivers newspapers for a living, then Lucas will fail to finish his essay.

IR, LH: If Lucas' professor delivers newspapers for a living, then Lucas will finish his essay.

#3 Scenario:

Paul is driving on a straight road with hardly any traffic ahead. He is on his way to work in an investment bank and is running late. At this point the drive will take about one hour and he is supposed to arrive in 40 minutes.

PO, HH: 'If Paul pushes down the gas pedal, then the car will speed up.'

PO, LH: 'If Paul's car suddenly breaks down, then he will be late for work.'

PO, LL: 'If Paul pushes down the brake pedal, then the car will slow down.'

PO, HL: 'If Paul drives fast, then he will be there in time for work.'

IR, HH: 'If Paul is wearing a shirt, then his car will function normally.'

IR, HL: 'If Paul is wearing a shirt, then his car will suddenly break down.'

IR, LL: 'If Paul is wearing shorts, then his car will suddenly break down.'

IR, LH: 'If Paul is wearing shorts, then his car will function normally.'

#4 Scenario:

Scott was just out playing with his friends in the snow. He has now gone inside but is still freezing and takes a bath. As both he and his clothes are very dirty, he is likely to make a mess in the process, which he knows his mother dislikes.

PO, HH: If Scott turns on the warm water, then he will be warm soon.

PO, LH: If Scott bathes in a hot spring, then he will be warm soon.

PO, LL: If Scott turns on the cold water, then he will soon start to freeze even more.

PO, HL: If Scott makes an effort to be tidy, then the bathroom will be just as clean as before he took his bath.

IR, HH: If Scott's friends are roughly the same age as him, then Scott will turn on the warm water.

IR, HL: If Scott's friends are roughly the same age as him, then Scott will turn on the cold water.

IR, LL: If Scott's friends are 10 years older than him, then Scott will turn on the cold water.

IR, LH: If Scott's friends are 10 years older than him, then Scott will turn on the hot water.

#5 Scenario:

Julia has gained some weight during her holiday in Egypt, and now wishes to lose 5 kilos. She is very determined to make lifestyle changes. She is not obese by any means. Yet it is unlikely that she will end up looking like a model — nor is it her goal. Most would characterise her as being within the normal range.

PO, HH: If Julia begins to exercise, then she will lose weight.

PO, LH: If Julia has weight loss surgery, then she will lose weight.

PO, LL: If Julia has weight loss surgery, then she will be as thin as a model.

PO, HL: If Julia begins to exercise, then she will end up looking like a model.

IR, HH: If the sun shines where Julia went on holiday, then she will lose weight.

IR, HL: If the sun shines where Julia went on holiday, then she will gain weight.

IR, LL: If it snows where Julia went on holiday, then she will gain weight.

IR, LH: If it snows where Julia went on holiday, then she will lose weight.

#6 Scenario:

Stephen has a date with Sara, on whom he has a crush, and wishes to make a nice impression. Therefore, he gets ready for the date. However, it is hopeless that he will make it on time.

PO, HH: If Stephen and Sara go out to an expensive restaurant, then Stephen will wear some of his best clothes on the date.

PO, LH: If Stephen and Sara are invited to a royal dinner party, then Stephen will wear some of his best clothes on the date.

PO, LL: If Stephen and Sara are invited to a royal dinner party, then Stephen will buy a custom-made suit for the date.

PO, HL: If Stephen and Sara go out to an expensive restaurant, then Stephen will buy a custom-made suit for the date.

IR, HH: If Stephen's neighbour prefers to put milk on his cornflakes, then Stephen will wear some of his best clothes on the date.

IR, HL: If Stephen's neighbour prefers to put milk on his cornflakes, then Stephen will buy a custom-made suit for the date.

IR, LL: If Stephen's neighbour prefers to put ketchup on his cornflakes, then Stephen will buy a custom-made suit for the date.

IR, LH: If Stephen's neighbour prefers to put ketchup on his cornflakes, then Stephen will wear some of his best clothes on the date.

#7 Scenario:

Pete has to get up really early for work to go to an important meeting. Pete is a fairly self-disciplined and responsible person. However, the laptop on which his presentation for the meeting has been stolen at the last minute, so he just has to improvise.

PO, HH: If Pete sets his alarm clock, then he will get up in time for the meeting.

PO, LH: If Pete hires a butler to wake him up, then he will get up in time for the meeting.

PO, LL: If Pete goes partying all night long, then he will spend most of the following day in bed with a hangover.

PO, HL: If Pete prepares himself for the meeting as best he can, then he will be able to give the presentation in the way he originally intended.

IR, HH: If 'Pete' is a male name, then Pete will get up in time for the meeting.

IR, HL: If 'Pete' is a male name, then Pete will be able to give the presentation in the way he originally intended.

IR, LL: If 'Pete' is a female name, then Pete will be able to give the presentation in the way he originally intended.

IR, LH: If 'Pete' is a female name, then Pete will get up in time for the meeting.

#8 Scenario:

Martin is out eating at a good restaurant. The service has been excellent and he was served rather quickly as the restaurant is only half-full. He now wants to pay for his meal. However, Martin does not realise that one is supposed to tip the waitress.

PO, HH: If Martin raises his hand discreetly in the air, then he will manage to get the attention of the waitress.

PO, LH: If Martin throws a plate against the wall, then he will manage to get the attention of the waitress.

PO, LL: If Martin throws a plate against the wall, then he will be thrown out of the restaurant.

PO, HL: If Martin raises his hand discreetly in the air, then the waitress will think that he is imitating the behaviour of school kids.

IR, HH: If there is a pillow in Martin's bed, then the waitress will act friendly towards him.

IR, HL: If there is a pillow in Martin's bed, then he will become best friends with the manager.

IR, LL: If Martin prefers to use a rock as a pillow, then he will become best friends with the manager.

IR, LH: If Martin prefers to use a rock as a pillow, then the waitress will act friendly towards him.

#9 Scenario:

Thomas wants to impress his boss, Mr. Schmitt. The company has recently received a large order from one of its biggest clients, which it has difficulties meeting. However, Thomas' wife is insisting that they take a week off to go on holiday and Thomas feels that he cannot afford to let his wife down, so he books the vacation.

PO, HH: If Thomas goes on vacation with his wife, then he will make her happy.

PO, LH: If Thomas refuses to contribute in any way to meeting the order of the client, then his company will fail to meet the deadline.

PO, LL: If Thomas is able to work nonstop on the project until it is finished, then his company will be able to meet the deadline.

PO, HL: If Thomas is motivated to work as hard as he can, then his company will be able to meet the deadline.

IR, HH: If Thomas has five toes on his left foot, then his company will fail in meeting the deadline.

IR, HL: If Thomas has five toes on his left foot, then his company will succeed in meeting the deadline.

IR, LL: If Thomas has more than five toes on his left foot, then his company will succeed in meeting the deadline.

IR, LH: If Thomas has more than five toes on his left foot, then his company will fail in meeting the deadline.

#10 Scenario:

Sophia wishes to find a nice present for her 13-year-old son, Tim, for Christmas. She is running on a tight budget, but she knows that Tim loves participating in live roleplaying in the forest and she is really skilled at sewing the orc costumes he needs. Unfortunately, she will not be able to afford the leather parts that such costumes usually have, but she will still be able to make them look nice.

PO, HH: If Sophia makes Tim an orc costume, then he will be excited about his present.

PO, LH: If Sophia buys expensive full plate armour for Tim, then he will be excited about his present.

PO, LL: If Sophia buys a Barbie doll for Tim, then he will hate his present.

PO, HL: If Sophia makes Tim an orc costume that lacks the leather parts that such costumes usually have, then he will hate his present.

IR, HH: If Sophia regularly wears shoes, then Tim will be excited about his present.

IR, HL: If Sophia regularly wears shoes, then Tim will hate his present.

IR, LL: If Sophia prefers to sleep with her rollerblades on, then Tim will hate his present.

IR, LH: If Sophia prefers to sleep with her rollerblades on, then Tim will be excited about his present.

#11 Scenario:

Nicole's skin is pale and she wants a suntan with a mild brown colour. It is summer, the weather is nice, and there is a beach nearby. Unfortunately, Nicole's skin is very sensitive to the sun and she is somewhat bad at controlling the amount of her exposure to the sun.

PO, HH: If Nicole sunbathes on the beach, then she will get sunburn.

PO, LH: If Nicole stays in the shadows, then she will be unable to obtain the mild brown colour for which she is longing.

PO, LL: If Nicole sunbathes every day from morning until night for the rest of the summer, then she will get skin cancer.

PO, HL: If Nicole sunbathes on the beach, then she will get skin cancer.

IR, HH: If Nicole knows what a computer is, then she will get sunburn.

IR, HL: If Nicole knows what a computer is, then she will get skin cancer.

IR, LL: If Nicole uses carrier pigeons to send all of her mail, then she will get skin cancer.

IR, LH: If Nicole uses carrier pigeons to send all of her mail, then she will get sunburn.

#12 Scenario:

Today, Maria has set herself the aim of making her boyfriend, Craig, jealous so that he can pull himself together. She knows that if there is one thing that will make him jealous, it is visiting her ex-boyfriend, Adrian. However, Maria accidentally left evidence of her scheme for Craig's brother, Alex, to find. But Alex has lied about Maria's whereabouts before to protect Craig. Unfortunately, Craig is good at spotting Alex's lies.

PO, HH: If Maria pays Adrian a visit, then Maria will make Craig jealous.

PO, LH: If Maria goes to Las Vegas to marry Craig's best friend, then Maria will make Craig jealous.

PO, LL: If Maria spends the whole day cleaning her toilet, then Craig will react with indifference to Maria's behaviour.

PO, HL: If Craig's brother, Alex, conceals Maria's whereabouts, then Craig will react with indifference to Maria's behaviour.

IR, HH: If Alex uses a cup to drink coffee, then Maria will make Craig jealous.

IR, HL: If Alex uses a cup to drink coffee, then Maria will fail to make Craig jealous.

IR, LL: If Alex uses a soup plate to drink coffee, then Maria will fail to make Craig jealous.

IR, LH: If Alex uses a soup plate to drink coffee, then Maria will make Craig jealous.