Feature Set: Ground

Model Selector: Discriminative Information Criterion

\*\*\*\* WER = 0.5674157303370787

Total correct: 77 out of 178

Video Recognized Correct

=====================================================================================================

100: \*IX NEW CAR \*ARRIVE POSS NEW CAR BREAK-DOWN

2: JOHN \*NEW \*GIVE1 JOHN WRITE HOMEWORK

67: JOHN FUTURE \*MARY BUY HOUSE JOHN FUTURE NOT BUY HOUSE

7: \*SOMETHING-ONE \*CAR \*ARRIVE \*TOY JOHN CAN GO CAN

201: JOHN \*MARY \*LOVE \*LOVE \*GIVE1 HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: \*IX \*GO \*MARY MARY JOHN NOT VISIT MARY

119: \*VISIT \*BUY1 IX \*BOX \*IX SUE BUY IX CAR BLUE

12: \*IX \*WHAT \*WHAT \*HOUSE JOHN CAN GO CAN

77: \*JOHN \*GIVE1 MARY ANN BLAME MARY

142: JOHN BUY YESTERDAY WHAT BOOK JOHN BUY YESTERDAY WHAT BOOK

107: JOHN \*IX \*HAVE \*ARRIVE \*JOHN JOHN POSS FRIEND HAVE CANDY

84: \*JOHN \*GIVE1 \*VISIT BOOK IX-1P FIND SOMETHING-ONE BOOK

21: JOHN \*GIVE1 \*JOHN \*FUTURE \*CAR \*CAR \*FUTURE \*MARY JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: JOHN \*IX IX \*WHO IX JOHN LIKE IX IX IX

89: \*MARY IX \*IX \*IX IX \*ARRIVE \*BOOK JOHN IX GIVE MAN IX NEW COAT

71: JOHN \*JOHN VISIT MARY JOHN WILL VISIT MARY

92: JOHN \*IX IX \*IX \*IX BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: JOHN \*SOMETHING-ONE IX \*IX \*VISIT \*ARRIVE JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: JOHN \*MARY \*MARY \*MARY \*MARY JOHN LIKE IX IX IX

193: JOHN \*SOMETHING-ONE \*VISIT BOX JOHN GIVE GIRL BOX

36: \*VISIT \*VISIT \*IX \*GO \*MARY \*IX MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 WHAT \*MARY BOOK JOHN BUY WHAT YESTERDAY BOOK

167: JOHN \*MARY \*GO LOVE MARY JOHN IX SAY LOVE MARY

40: \*MARY \*GO \*GIVE MARY \*MARY JOHN IX THINK MARY LOVE

28: JOHN \*WHO IX IX IX JOHN LIKE IX IX IX

171: JOHN MARY BLAME JOHN MARY BLAME

43: JOHN \*IX BUY HOUSE JOHN MUST BUY HOUSE

108: \*IX ARRIVE WOMAN ARRIVE

174: \*CAR \*GIVE1 GIVE1 \*YESTERDAY TOY PEOPLE GROUP GIVE1 JANA TOY

113: IX CAR \*IX \*MARY \*IX IX CAR BLUE SUE BUY

50: \*JOHN \*FUTURE \*GIVE1 CAR \*JOHN FUTURE JOHN BUY CAR SHOULD

199: \*JOHN \*ARRIVE \*GO LIKE CHOCOLATE WHO

158: LOVE JOHN WHO LOVE JOHN WHO

54: JOHN SHOULD NOT BUY HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*FRANK JOHN LEG

184: \*IX BOY \*GIVE1 TEACHER \*YESTERDAY ALL BOY GIVE TEACHER APPLE

57: \*MARY \*VISIT VISIT MARY JOHN DECIDE VISIT MARY

122: JOHN \*BUY BOOK JOHN READ BOOK

189: JOHN \*SOMETHING-ONE \*VISIT \*WHAT JOHN GIVE GIRL BOX

181: JOHN ARRIVE JOHN ARRIVE

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Feature Set: Ground

Model Selector: Bayesian Information Criteriion

\*\*\*\* WER = 0.5561797752808989

Total correct: 79 out of 178

Video Recognized Correct

=====================================================================================================

100: \*IX NEW CAR BREAK-DOWN POSS NEW CAR BREAK-DOWN

2: JOHN WRITE \*NEW JOHN WRITE HOMEWORK

67: \*SHOULD \*JOHN \*BLAME BUY HOUSE JOHN FUTURE NOT BUY HOUSE

7: \*SOMETHING-ONE \*BOX GO \*ARRIVE JOHN CAN GO CAN

201: JOHN \*MARY \*LOVE \*JOHN BUY HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: \*IX \*VISIT VISIT MARY JOHN NOT VISIT MARY

119: \*VISIT \*BUY1 IX \*BOX \*GO SUE BUY IX CAR BLUE

12: \*IX \*WHAT \*CAN CAN JOHN CAN GO CAN

77: \*JOHN BLAME \*LOVE ANN BLAME MARY

142: JOHN \*STUDENT YESTERDAY WHAT BOOK JOHN BUY YESTERDAY WHAT BOOK

107: JOHN \*GO \*HAVE \*ARRIVE \*JOHN JOHN POSS FRIEND HAVE CANDY

84: \*JOHN \*ARRIVE \*NEW BOOK IX-1P FIND SOMETHING-ONE BOOK

21: JOHN \*WRITE \*JOHN \*FUTURE \*CAR \*TEACHER \*VISIT \*MARY JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: JOHN \*IX IX \*LIKE IX JOHN LIKE IX IX IX

89: \*MARY \*POSS \*IX \*IX IX \*ARRIVE \*BOOK JOHN IX GIVE MAN IX NEW COAT

71: JOHN \*FUTURE VISIT MARY JOHN WILL VISIT MARY

92: JOHN \*SHOULD IX \*IX \*IX BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: JOHN \*SOMETHING-ONE IX \*IX \*VISIT \*ARRIVE JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: JOHN LIKE \*MARY \*MARY \*MARY JOHN LIKE IX IX IX

193: JOHN \*SOMETHING-ONE \*VISIT BOX JOHN GIVE GIRL BOX

36: \*VISIT \*VISIT \*IX \*GIVE \*MARY \*IX MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 WHAT \*MARY BOOK JOHN BUY WHAT YESTERDAY BOOK

167: JOHN \*MARY \*VISIT LOVE MARY JOHN IX SAY LOVE MARY

40: \*MARY \*GO \*GIVE MARY \*MARY JOHN IX THINK MARY LOVE

28: JOHN \*WHO IX \*LIKE \*LOVE JOHN LIKE IX IX IX

171: JOHN MARY BLAME JOHN MARY BLAME

43: JOHN \*IX BUY HOUSE JOHN MUST BUY HOUSE

108: \*IX \*LOVE WOMAN ARRIVE

174: \*CAN \*GIVE1 GIVE1 \*YESTERDAY \*WHAT PEOPLE GROUP GIVE1 JANA TOY

113: IX CAR \*CAR \*MARY \*BOX IX CAR BLUE SUE BUY

50: \*JOHN \*SEE BUY CAR \*JOHN FUTURE JOHN BUY CAR SHOULD

199: \*JOHN CHOCOLATE \*GO LIKE CHOCOLATE WHO

158: LOVE JOHN WHO LOVE JOHN WHO

54: JOHN SHOULD NOT BUY HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*FRANK JOHN LEG

184: \*GIVE BOY \*GIVE1 TEACHER APPLE ALL BOY GIVE TEACHER APPLE

57: \*MARY \*VISIT VISIT MARY JOHN DECIDE VISIT MARY

122: JOHN \*GIVE1 BOOK JOHN READ BOOK

189: JOHN \*SOMETHING-ONE \*VISIT BOX JOHN GIVE GIRL BOX

181: JOHN \*BOX JOHN ARRIVE

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Feature Set: Ground

Model Selector: Cross Validation

\*\*\*\* WER = 0.6123595505617978

Total correct: 69 out of 178

Video Recognized Correct

=====================================================================================================

100: \*FRANK NEW CAR \*COAT POSS NEW CAR BREAK-DOWN

2: JOHN \*COAT \*NEW JOHN WRITE HOMEWORK

67: JOHN \*JOHN NOT \*ARRIVE HOUSE JOHN FUTURE NOT BUY HOUSE

7: JOHN \*WHAT GO \*HAVE JOHN CAN GO CAN

201: JOHN \*SHOULD \*WOMAN \*LIKE \*ARRIVE HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: \*IX \*IX \*MARY \*GO JOHN NOT VISIT MARY

119: \*VEGETABLE \*LOVE \*HAVE \*WHAT \*SUE SUE BUY IX CAR BLUE

12: \*IX \*TEACHER \*CAN CAN JOHN CAN GO CAN

77: \*JOHN BLAME \*LOVE ANN BLAME MARY

142: JOHN \*NEW YESTERDAY \*TEACHER BOOK JOHN BUY YESTERDAY WHAT BOOK

107: JOHN \*SUE FRIEND \*GO \*JANA JOHN POSS FRIEND HAVE CANDY

84: \*LOVE \*ARRIVE \*HOMEWORK \*COAT IX-1P FIND SOMETHING-ONE BOOK

21: JOHN \*HOMEWORK \*NEW \*FUTURE \*CAR \*CAR \*VISIT \*EAT JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: \*FRANK \*IX \*LOVE IX IX JOHN LIKE IX IX IX

89: \*GIVE1 \*POSS GIVE \*IX IX \*BUY \*BOOK JOHN IX GIVE MAN IX NEW COAT

71: JOHN \*FINISH \*GO MARY JOHN WILL VISIT MARY

92: JOHN GIVE IX \*IX \*MARY BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: JOHN \*SOMETHING-ONE \*SOMETHING-ONE SOMETHING-ONE WOMAN \*COAT JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: JOHN LIKE IX IX \*GO JOHN LIKE IX IX IX

193: JOHN \*SOMETHING-ONE \*GIVE1 BOX JOHN GIVE GIRL BOX

36: MARY VEGETABLE \*GIVE \*GO \*MARY \*MARY MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 \*CAN YESTERDAY \*ARRIVE JOHN BUY WHAT YESTERDAY BOOK

167: JOHN \*SUE \*MARY \*WOMAN \*LOVE JOHN IX SAY LOVE MARY

40: JOHN \*GIVE \*APPLE \*JOHN \*GO JOHN IX THINK MARY LOVE

28: JOHN \*TELL IX IX \*LOVE JOHN LIKE IX IX IX

171: JOHN \*JOHN BLAME JOHN MARY BLAME

43: JOHN \*SHOULD BUY HOUSE JOHN MUST BUY HOUSE

108: \*MARY \*LOVE WOMAN ARRIVE

174: \*WHAT \*GIVE3 GIVE1 \*APPLE \*WHAT PEOPLE GROUP GIVE1 JANA TOY

113: \*HAVE CAR \*SUE SUE \*HAVE IX CAR BLUE SUE BUY

50: \*FRANK \*SEE BUY CAR \*SOMETHING-ONE FUTURE JOHN BUY CAR SHOULD

199: \*LOVE CHOCOLATE \*TELL LIKE CHOCOLATE WHO

158: LOVE \*VISIT WHO LOVE JOHN WHO

54: JOHN SHOULD \*GIVE1 BUY HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*IX-1P JOHN LEG

184: \*SOMETHING-ONE \*GO \*HOUSE TEACHER APPLE ALL BOY GIVE TEACHER APPLE

57: \*IX \*VEGETABLE \*MARY \*IX JOHN DECIDE VISIT MARY

122: JOHN \*HOUSE BOOK JOHN READ BOOK

189: JOHN \*SUE \*YESTERDAY \*CAN JOHN GIVE GIRL BOX

181: \*SUE \*BOX JOHN ARRIVE

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Feature Set: Normalized

Model Selector: Discriminative Information Criterion

\*\*\*\* WER = 0.601123595505618

Total correct: 71 out of 178

Video Recognized Correct

=====================================================================================================

100: POSS NEW CAR BREAK-DOWN POSS NEW CAR BREAK-DOWN

2: JOHN WRITE \*HAVE JOHN WRITE HOMEWORK

67: \*MARY \*IX \*JOHN \*LAST-WEEK HOUSE JOHN FUTURE NOT BUY HOUSE

7: \*MARY \*PEOPLE GO \*WHAT JOHN CAN GO CAN

201: JOHN \*GIVE1 \*IX \*WOMAN \*STUDENT HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: \*IX \*VISIT VISIT MARY JOHN NOT VISIT MARY

119: \*PREFER \*BUY1 IX \*PEOPLE \*GO SUE BUY IX CAR BLUE

12: JOHN \*HAVE \*GO1 CAN JOHN CAN GO CAN

77: \*JOHN BLAME MARY ANN BLAME MARY

142: JOHN BUY YESTERDAY WHAT BOOK JOHN BUY YESTERDAY WHAT BOOK

107: \*MARY POSS \*BOX \*MARY \*TOY1 JOHN POSS FRIEND HAVE CANDY

84: \*JOHN \*HAVE \*VISIT BOOK IX-1P FIND SOMETHING-ONE BOOK

21: \*MARY \*NEW \*HAVE \*IX \*BLAME \*CAR \*CHICKEN \*WRITE JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: JOHN LIKE IX \*MARY IX JOHN LIKE IX IX IX

89: \*FUTURE \*THROW \*IX \*IX IX NEW COAT JOHN IX GIVE MAN IX NEW COAT

71: JOHN WILL VISIT MARY JOHN WILL VISIT MARY

92: JOHN \*MAN IX \*IX \*IX BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: \*SELF \*IX IX \*IX WOMAN BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: \*IX-1P \*IX \*MARY IX IX JOHN LIKE IX IX IX

193: \*IX \*YESTERDAY \*YESTERDAY BOX JOHN GIVE GIRL BOX

36: MARY \*MARY \*IX \*SHOOT LIKE \*IX MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 \*CAR \*JOHN BOOK JOHN BUY WHAT YESTERDAY BOOK

167: JOHN IX \*SAY-1P LOVE \*IX JOHN IX SAY LOVE MARY

40: \*MARY \*JOHN \*FUTURE1 \*VEGETABLE \*MARY JOHN IX THINK MARY LOVE

28: \*ANN \*ANN \*ANN \*ANN \*ANN JOHN LIKE IX IX IX

171: \*LIKE \*JOHN BLAME JOHN MARY BLAME

43: JOHN \*FUTURE BUY HOUSE JOHN MUST BUY HOUSE

108: \*IX \*JOHN WOMAN ARRIVE

174: \*HAVE \*GIVE1 GIVE1 \*YESTERDAY TOY PEOPLE GROUP GIVE1 JANA TOY

113: IX CAR \*IX \*JOHN \*BUY1 IX CAR BLUE SUE BUY

50: \*POSS \*SEE \*WRITE CAR \*IX FUTURE JOHN BUY CAR SHOULD

199: \*JOHN \*BUY1 \*JOHN LIKE CHOCOLATE WHO

158: LOVE \*IX WHO LOVE JOHN WHO

54: JOHN \*FUTURE \*SHOULD \*STUDENT HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*TELL JOHN LEG

184: \*IX BOY \*GIVE1 TEACHER APPLE ALL BOY GIVE TEACHER APPLE

57: \*IX \*IX \*IX MARY JOHN DECIDE VISIT MARY

122: JOHN \*GIVE1 BOOK JOHN READ BOOK

189: \*JANA \*MARY \*YESTERDAY \*HAVE JOHN GIVE GIRL BOX

181: \*BLAME \*BLAME JOHN ARRIVE

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Feature Set: Normalized

Model Selector: Bayesian Information Criteriion

\*\*\*\* WER = 0.6235955056179775

Total correct: 67 out of 178

Video Recognized Correct

=====================================================================================================

100: POSS NEW CAR BREAK-DOWN POSS NEW CAR BREAK-DOWN

2: JOHN WRITE \*ARRIVE JOHN WRITE HOMEWORK

67: \*MARY \*IX \*JOHN \*ARRIVE HOUSE JOHN FUTURE NOT BUY HOUSE

7: \*MARY \*NEW GO \*WHAT JOHN CAN GO CAN

201: JOHN \*GIVE1 \*WOMAN \*WOMAN \*STUDENT HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: \*IX \*BILL VISIT MARY JOHN NOT VISIT MARY

119: \*PREFER \*BUY1 IX CAR \*FINISH SUE BUY IX CAR BLUE

12: \*MARY \*HAVE \*GO1 CAN JOHN CAN GO CAN

77: \*JOHN BLAME MARY ANN BLAME MARY

142: JOHN BUY YESTERDAY WHAT BOOK JOHN BUY YESTERDAY WHAT BOOK

107: \*MARY POSS \*BOX \*MARY \*TOY1 JOHN POSS FRIEND HAVE CANDY

84: \*JOHN \*NEW \*VISIT BOOK IX-1P FIND SOMETHING-ONE BOOK

21: \*MARY \*BOX \*VISIT \*GO \*CAR \*CAR \*CHICKEN \*WRITE JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: JOHN LIKE \*LOVE \*LIKE IX JOHN LIKE IX IX IX

89: \*FUTURE \*THROW \*IX \*IX IX \*ARRIVE \*BREAK-DOWN JOHN IX GIVE MAN IX NEW COAT

71: JOHN \*FUTURE VISIT MARY JOHN WILL VISIT MARY

92: JOHN \*WOMAN \*WOMAN \*WOMAN WOMAN BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: \*SELF \*YESTERDAY IX \*IX WOMAN \*CHOCOLATE JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: \*IX-1P \*IX \*MARY IX IX JOHN LIKE IX IX IX

193: \*IX \*YESTERDAY \*YESTERDAY BOX JOHN GIVE GIRL BOX

36: MARY \*MARY \*YESTERDAY \*SHOOT LIKE \*IX MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 \*CAR YESTERDAY BOOK JOHN BUY WHAT YESTERDAY BOOK

167: \*MARY IX \*SAY-1P LOVE \*IX JOHN IX SAY LOVE MARY

40: \*MARY \*JOHN \*FUTURE1 \*VEGETABLE \*MARY JOHN IX THINK MARY LOVE

28: \*ANN \*ANN \*ANN \*ANN \*ANN JOHN LIKE IX IX IX

171: \*MARY \*IX BLAME JOHN MARY BLAME

43: JOHN \*FUTURE BUY HOUSE JOHN MUST BUY HOUSE

108: \*IX \*JOHN WOMAN ARRIVE

174: \*NEW \*GIVE1 GIVE1 \*VISIT \*CAR PEOPLE GROUP GIVE1 JANA TOY

113: IX CAR \*IX \*JOHN \*BOX IX CAR BLUE SUE BUY

50: \*POSS \*SEE \*WRITE CAR \*CAR FUTURE JOHN BUY CAR SHOULD

199: \*JOHN CHOCOLATE \*JOHN LIKE CHOCOLATE WHO

158: LOVE \*IX WHO LOVE JOHN WHO

54: JOHN \*FUTURE \*SHOULD \*STUDENT HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*FUTURE JOHN LEG

184: \*IX BOY \*GIVE1 TEACHER APPLE ALL BOY GIVE TEACHER APPLE

57: \*IX \*IX \*IX MARY JOHN DECIDE VISIT MARY

122: JOHN \*GIVE1 BOOK JOHN READ BOOK

189: \*JANA \*MARY \*FINISH \*ARRIVE JOHN GIVE GIRL BOX

181: JOHN \*BOX JOHN ARRIVE

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Feature Set: Normalized

Model Selector: Cross Validation

\*\*\*\* WER = 0.6573033707865169

Total correct: 61 out of 178

Video Recognized Correct

=====================================================================================================

100: POSS NEW \*HOUSE BREAK-DOWN POSS NEW CAR BREAK-DOWN

2: JOHN WRITE \*ARRIVE JOHN WRITE HOMEWORK

67: \*LIKE FUTURE \*JOHN \*ARRIVE HOUSE JOHN FUTURE NOT BUY HOUSE

7: JOHN \*NEW \*MARY \*ARRIVE JOHN CAN GO CAN

201: JOHN \*THINK \*WOMAN \*WOMAN BUY HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: JOHN \*BILL VISIT \*LOVE JOHN NOT VISIT MARY

119: \*NOT \*BUY1 \*SOMETHING-ONE \*PEOPLE \*SUE SUE BUY IX CAR BLUE

12: \*WHAT \*WHAT \*GO1 CAN JOHN CAN GO CAN

77: \*GO \*MARY \*LOVE ANN BLAME MARY

142: JOHN \*ARRIVE YESTERDAY WHAT BOOK JOHN BUY YESTERDAY WHAT BOOK

107: \*TELL \*IX \*BOX \*LIKE \*JANA JOHN POSS FRIEND HAVE CANDY

84: \*JOHN \*HAVE \*POSS BOOK IX-1P FIND SOMETHING-ONE BOOK

21: \*LIKE \*NEW \*HAVE \*IX-1P \*VISIT \*BLAME \*CHICKEN \*WRITE JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: \*GO LIKE \*GO \*LIKE \*GO JOHN LIKE IX IX IX

89: \*WHO \*THROW \*GO \*MARY IX NEW COAT JOHN IX GIVE MAN IX NEW COAT

71: JOHN WILL \*BLAME MARY JOHN WILL VISIT MARY

92: JOHN \*GIVE1 IX \*IX WOMAN BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: \*SELF \*GIVE1 IX \*FUTURE WOMAN \*LOVE JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: \*SHOOT LIKE \*LOVE \*LIKE IX JOHN LIKE IX IX IX

193: JOHN \*SEE \*WHO BOX JOHN GIVE GIRL BOX

36: \*SHOOT \*NOT \*YESTERDAY \*VISIT LIKE \*LIKE MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 \*VIDEOTAPE YESTERDAY \*LOVE JOHN BUY WHAT YESTERDAY BOOK

167: \*TELL \*VISIT \*SAY-1P LOVE MARY JOHN IX SAY LOVE MARY

40: \*SHOOT \*VISIT \*FUTURE1 \*NOT LOVE JOHN IX THINK MARY LOVE

28: \*ANN LIKE \*ANN \*LIKE \*ANN JOHN LIKE IX IX IX

171: \*SHOOT \*JOHN BLAME JOHN MARY BLAME

43: JOHN \*JOHN BUY HOUSE JOHN MUST BUY HOUSE

108: \*LOVE \*LOVE WOMAN ARRIVE

174: \*NEW \*GIVE1 GIVE1 \*TELL \*CAR PEOPLE GROUP GIVE1 JANA TOY

113: IX CAR \*IX \*JOHN \*BOX IX CAR BLUE SUE BUY

50: \*POSS \*FRANK \*HAVE \*HAVE \*SOMETHING-ONE FUTURE JOHN BUY CAR SHOULD

199: \*JOHN CHOCOLATE \*JOHN LIKE CHOCOLATE WHO

158: LOVE \*MARY \*CORN LOVE JOHN WHO

54: JOHN \*JOHN \*PREFER BUY HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*POSS JOHN LEG

184: \*IX BOY \*GIVE1 TEACHER APPLE ALL BOY GIVE TEACHER APPLE

57: \*IX \*WHO \*MARY \*LOVE JOHN DECIDE VISIT MARY

122: JOHN \*HOUSE BOOK JOHN READ BOOK

189: \*JANA \*GIVE1 \*NOT \*ARRIVE JOHN GIVE GIRL BOX

181: \*VISIT \*BOX JOHN ARRIVE

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Feature Set: Polar

Model Selector: Discriminative Information Criterion

\*\*\*\* WER = 0.5168539325842697

Total correct: 86 out of 178

Video Recognized Correct

=====================================================================================================

100: POSS NEW CAR BREAK-DOWN POSS NEW CAR BREAK-DOWN

2: JOHN WRITE HOMEWORK JOHN WRITE HOMEWORK

67: \*SHOULD FUTURE \*MARY BUY HOUSE JOHN FUTURE NOT BUY HOUSE

7: JOHN \*PEOPLE GO CAN JOHN CAN GO CAN

201: JOHN \*MAN \*MAN \*JOHN BUY HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: \*IX \*GO \*GO MARY JOHN NOT VISIT MARY

119: \*MARY \*BUY1 IX \*BLAME \*IX SUE BUY IX CAR BLUE

12: JOHN \*WHAT \*PEOPLE CAN JOHN CAN GO CAN

77: \*JOHN \*GIVE1 MARY ANN BLAME MARY

142: JOHN BUY YESTERDAY WHAT BOOK JOHN BUY YESTERDAY WHAT BOOK

107: JOHN POSS \*HAVE \*GO \*JANA JOHN POSS FRIEND HAVE CANDY

84: \*JOHN \*STUDENT \*HOMEWORK \*COAT IX-1P FIND SOMETHING-ONE BOOK

21: JOHN \*HOMEWORK WONT \*WHO \*STUDENT \*WHAT \*FUTURE \*WHO JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: JOHN \*IX IX \*WHO IX JOHN LIKE IX IX IX

89: \*THINK \*GIVE \*IX \*IX IX \*ARRIVE \*BOOK JOHN IX GIVE MAN IX NEW COAT

71: JOHN WILL \*GIVE1 MARY JOHN WILL VISIT MARY

92: JOHN \*IX IX \*IX \*IX BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: JOHN GIVE IX SOMETHING-ONE WOMAN \*ARRIVE JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: JOHN LIKE \*MARY \*MARY \*MARY JOHN LIKE IX IX IX

193: JOHN \*GO \*YESTERDAY BOX JOHN GIVE GIRL BOX

36: \*IX \*VISIT \*GIVE \*GIVE \*MARY \*MARY MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 WHAT \*MARY \*ARRIVE JOHN BUY WHAT YESTERDAY BOOK

167: JOHN \*MARY \*VISIT LOVE MARY JOHN IX SAY LOVE MARY

40: JOHN \*GO \*FUTURE1 \*JOHN \*MARY JOHN IX THINK MARY LOVE

28: JOHN \*FUTURE IX \*FUTURE IX JOHN LIKE IX IX IX

171: \*IX MARY BLAME JOHN MARY BLAME

43: JOHN \*IX BUY HOUSE JOHN MUST BUY HOUSE

108: \*LOVE \*LAST-WEEK WOMAN ARRIVE

174: \*JOHN GROUP GIVE1 \*YESTERDAY \*JOHN PEOPLE GROUP GIVE1 JANA TOY

113: IX CAR \*IX \*MARY \*BUY1 IX CAR BLUE SUE BUY

50: \*JOHN \*SEE BUY CAR \*JOHN FUTURE JOHN BUY CAR SHOULD

199: \*JOHN \*NEW \*GO LIKE CHOCOLATE WHO

158: LOVE JOHN WHO LOVE JOHN WHO

54: JOHN SHOULD NOT BUY HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*SEE JOHN LEG

184: \*GO BOY \*GIVE1 TEACHER APPLE ALL BOY GIVE TEACHER APPLE

57: \*MARY \*GO \*GO MARY JOHN DECIDE VISIT MARY

122: JOHN \*GIVE1 BOOK JOHN READ BOOK

189: \*MARY \*GO \*YESTERDAY BOX JOHN GIVE GIRL BOX

181: \*EAT ARRIVE JOHN ARRIVE

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Feature Set: Polar

Model Selector: Bayesian Information Criteriion

\*\*\*\* WER = 0.550561797752809

Total correct: 80 out of 178

Video Recognized Correct

=====================================================================================================

100: POSS NEW CAR BREAK-DOWN POSS NEW CAR BREAK-DOWN

2: \*GO WRITE \*GIVE1 JOHN WRITE HOMEWORK

67: \*SHOULD FUTURE \*MARY BUY HOUSE JOHN FUTURE NOT BUY HOUSE

7: JOHN \*PEOPLE GO \*ARRIVE JOHN CAN GO CAN

201: JOHN \*MAN \*MAN \*LIKE BUY HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: \*IX \*VISIT \*GIVE MARY JOHN NOT VISIT MARY

119: \*PREFER \*BUY1 \*CAR \*BLAME \*GO SUE BUY IX CAR BLUE

12: JOHN \*WHAT \*GO1 CAN JOHN CAN GO CAN

77: \*JOHN BLAME \*LOVE ANN BLAME MARY

142: JOHN BUY YESTERDAY WHAT BOOK JOHN BUY YESTERDAY WHAT BOOK

107: JOHN \*IX \*HAVE \*GO \*JANA JOHN POSS FRIEND HAVE CANDY

84: \*JOHN \*GIVE1 \*NEW BOOK IX-1P FIND SOMETHING-ONE BOOK

21: JOHN \*NEW WONT \*WHO \*GIVE1 \*TEACHER \*FUTURE \*WHO JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: JOHN LIKE \*LOVE \*WHO IX JOHN LIKE IX IX IX

89: \*GIVE \*GIVE \*WOMAN \*WOMAN IX \*BUY \*BREAK-DOWN JOHN IX GIVE MAN IX NEW COAT

71: JOHN \*FINISH \*GIVE1 MARY JOHN WILL VISIT MARY

92: JOHN \*WOMAN IX \*WOMAN WOMAN BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: JOHN \*HAVE IX SOMETHING-ONE \*VISIT \*ARRIVE JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: JOHN LIKE \*MARY \*MARY \*MARY JOHN LIKE IX IX IX

193: JOHN \*POSS \*VISIT BOX JOHN GIVE GIRL BOX

36: \*VISIT VEGETABLE \*GIRL \*GIVE \*MARY \*MARY MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 WHAT \*BLAME \*CHOCOLATE JOHN BUY WHAT YESTERDAY BOOK

167: JOHN IX \*VISIT LOVE MARY JOHN IX SAY LOVE MARY

40: JOHN \*VISIT \*FUTURE1 \*JOHN \*MARY JOHN IX THINK MARY LOVE

28: JOHN \*FUTURE \*FUTURE \*FUTURE IX JOHN LIKE IX IX IX

171: JOHN \*IX BLAME JOHN MARY BLAME

43: JOHN \*FUTURE BUY HOUSE JOHN MUST BUY HOUSE

108: \*JOHN \*LOVE WOMAN ARRIVE

174: \*JOHN \*GIVE3 GIVE1 \*YESTERDAY \*JOHN PEOPLE GROUP GIVE1 JANA TOY

113: IX CAR \*IX \*IX \*BUY1 IX CAR BLUE SUE BUY

50: \*JOHN \*SEE \*STUDENT CAR \*JOHN FUTURE JOHN BUY CAR SHOULD

199: \*JOHN \*VIDEOTAPE \*JOHN LIKE CHOCOLATE WHO

158: LOVE JOHN WHO LOVE JOHN WHO

54: JOHN SHOULD \*WHO BUY HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*SEE JOHN LEG

184: ALL BOY \*GIVE1 TEACHER APPLE ALL BOY GIVE TEACHER APPLE

57: \*MARY \*VISIT VISIT MARY JOHN DECIDE VISIT MARY

122: JOHN \*GIVE1 BOOK JOHN READ BOOK

189: \*MARY \*VISIT \*VISIT BOX JOHN GIVE GIRL BOX

181: \*EAT ARRIVE JOHN ARRIVE

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Feature Set: Polar

Model Selector: Cross Validation

\*\*\*\* WER = 0.6460674157303371

Total correct: 63 out of 178

Video Recognized Correct

=====================================================================================================

100: POSS NEW CAR BREAK-DOWN POSS NEW CAR BREAK-DOWN

2: \*FRANK \*BOOK HOMEWORK JOHN WRITE HOMEWORK

67: JOHN \*JOHN NOT BUY HOUSE JOHN FUTURE NOT BUY HOUSE

7: JOHN \*HAVE GO \*WHAT JOHN CAN GO CAN

201: JOHN \*MAN \*MAN \*LOVE BUY HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: \*GO \*MARY \*MARY \*GO JOHN NOT VISIT MARY

119: \*VEGETABLE \*BUY1 \*GO \*HAVE \*GIVE SUE BUY IX CAR BLUE

12: \*IX \*WHAT \*WHAT CAN JOHN CAN GO CAN

77: \*JOHN BLAME \*SOMETHING-ONE ANN BLAME MARY

142: JOHN \*NEW YESTERDAY \*TEACHER BOOK JOHN BUY YESTERDAY WHAT BOOK

107: JOHN \*GIVE \*HAVE \*GO \*WHO JOHN POSS FRIEND HAVE CANDY

84: \*FRANK \*ARRIVE \*POSS BOOK IX-1P FIND SOMETHING-ONE BOOK

21: JOHN \*HOMEWORK WONT \*JOHN \*CAR \*CAR \*VISIT \*TOMORROW JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: JOHN \*TELL \*LOVE \*TELL \*FRANK JOHN LIKE IX IX IX

89: \*MAN \*GIVE \*WOMAN \*SOMETHING-ONE \*WOMAN \*ARRIVE \*BOOK JOHN IX GIVE MAN IX NEW COAT

71: JOHN \*FINISH \*GO \*BLAME JOHN WILL VISIT MARY

92: JOHN \*WOMAN \*WOMAN \*WOMAN \*SOMETHING-ONE BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: JOHN \*GIVE1 \*WOMAN \*GIVE3 WOMAN \*COAT JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: JOHN LIKE \*MARY \*LIKE \*GO JOHN LIKE IX IX IX

193: JOHN \*GIVE1 \*YESTERDAY BOX JOHN GIVE GIRL BOX

36: MARY VEGETABLE \*GIRL \*SHOOT \*MARY \*MARY MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 \*PEOPLE YESTERDAY \*COAT JOHN BUY WHAT YESTERDAY BOOK

167: JOHN \*MARY \*MARY \*WOMAN \*GO JOHN IX SAY LOVE MARY

40: JOHN \*GIVE \*CORN \*JANA \*MARY JOHN IX THINK MARY LOVE

28: JOHN \*TELL \*MARY \*TELL \*LOVE JOHN LIKE IX IX IX

171: JOHN \*SUE BLAME JOHN MARY BLAME

43: JOHN \*POSS BUY HOUSE JOHN MUST BUY HOUSE

108: \*MARY \*LOVE WOMAN ARRIVE

174: \*CAN \*GIVE3 GIVE1 \*GIRL \*WHAT PEOPLE GROUP GIVE1 JANA TOY

113: \*GO \*HAVE \*SUE \*JANA \*BUY1 IX CAR BLUE SUE BUY

50: \*JOHN \*SEE BUY CAR \*WHAT FUTURE JOHN BUY CAR SHOULD

199: \*FRANK CHOCOLATE \*TELL LIKE CHOCOLATE WHO

158: LOVE \*VISIT \*TELL LOVE JOHN WHO

54: JOHN SHOULD \*WHO BUY HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*FUTURE1 JOHN LEG

184: ALL BOY \*BLAME TEACHER \*GIRL ALL BOY GIVE TEACHER APPLE

57: \*MARY \*SEE \*GIVE MARY JOHN DECIDE VISIT MARY

122: JOHN \*HOUSE BOOK JOHN READ BOOK

189: JOHN GIVE \*YESTERDAY \*CAN JOHN GIVE GIRL BOX

181: \*SUE \*BOX JOHN ARRIVE

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Feature Set: Delta

Model Selector: Discriminative Information Criterion

\*\*\*\* WER = 0.6235955056179775

Total correct: 67 out of 178

Video Recognized Correct

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100: \*JOHN NEW CAR \*BOOK POSS NEW CAR BREAK-DOWN

2: JOHN \*LOVE HOMEWORK JOHN WRITE HOMEWORK

67: JOHN \*JOHN \*MARY \*BUT HOUSE JOHN FUTURE NOT BUY HOUSE

7: JOHN \*HAVE \*GIVE1 \*HAVE JOHN CAN GO CAN

201: JOHN \*IX \*JOHN \*JOHN BUY HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: JOHN \*JOHN \*IX MARY JOHN NOT VISIT MARY

119: \*JOHN \*BUY1 IX CAR \*MARY SUE BUY IX CAR BLUE

12: JOHN CAN \*GO1 CAN JOHN CAN GO CAN

77: \*JOHN \*CAR MARY ANN BLAME MARY

142: JOHN BUY \*FUTURE WHAT \*WHAT JOHN BUY YESTERDAY WHAT BOOK

107: JOHN \*JOHN FRIEND HAVE \*JOHN JOHN POSS FRIEND HAVE CANDY

84: \*LAST-WEEK \*NEW \*IX BOOK IX-1P FIND SOMETHING-ONE BOOK

21: JOHN \*MARY WONT \*MARY \*CAR \*TOMORROW \*FUTURE \*MARY JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: JOHN \*IX \*JOHN IX IX JOHN LIKE IX IX IX

89: \*MARY \*JOHN \*IX \*IX \*JOHN \*WHAT \*CAN JOHN IX GIVE MAN IX NEW COAT

71: JOHN \*MARY VISIT \*CAR JOHN WILL VISIT MARY

92: JOHN \*IX \*JOHN \*IX WOMAN \*FINISH JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: JOHN \*JOHN \*JOHN \*IX \*IX \*MARY JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: JOHN \*IX \*SHOULD \*JOHN IX JOHN LIKE IX IX IX

193: JOHN \*IX \*WOMAN BOX JOHN GIVE GIRL BOX

36: \*JOHN \*JOHN \*JOHN IX \*MARY \*MARY MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 WHAT \*JOHN \*WHAT JOHN BUY WHAT YESTERDAY BOOK

167: JOHN IX \*IX \*BOOK MARY JOHN IX SAY LOVE MARY

40: \*MARY IX \*JOHN MARY \*MARY JOHN IX THINK MARY LOVE

28: JOHN \*MARY \*JOHN IX \*SHOULD JOHN LIKE IX IX IX

171: JOHN \*JOHN BLAME JOHN MARY BLAME

43: JOHN \*WOMAN \*FINISH HOUSE JOHN MUST BUY HOUSE

108: \*JOHN \*NEW-YORK WOMAN ARRIVE

174: \*GIVE1 \*MARY GIVE1 \*JOHN \*FINISH PEOPLE GROUP GIVE1 JANA TOY

113: \*JOHN CAR \*MARY \*MARY \*BUY1 IX CAR BLUE SUE BUY

50: \*JOHN JOHN BUY CAR \*MARY FUTURE JOHN BUY CAR SHOULD

199: \*JOHN \*WHAT \*MARY LIKE CHOCOLATE WHO

158: \*GIVE1 JOHN \*JOHN LOVE JOHN WHO

54: JOHN \*JOHN \*JOHN BUY HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*JOHN JOHN LEG

184: \*IX \*JOHN \*GIVE1 \*MANY \*MARY ALL BOY GIVE TEACHER APPLE

57: \*MARY \*JOHN \*IX \*IX JOHN DECIDE VISIT MARY

122: JOHN \*ARRIVE \*WHAT JOHN READ BOOK

189: JOHN \*JOHN \*JOHN \*ARRIVE JOHN GIVE GIRL BOX

181: JOHN ARRIVE JOHN ARRIVE

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Feature Set: Delta

Model Selector: Bayesian Information Criteriion

\*\*\*\* WER = 0.6123595505617978

Total correct: 69 out of 178

Video Recognized Correct

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100: \*JOHN NEW CAR BREAK-DOWN POSS NEW CAR BREAK-DOWN

2: JOHN \*LOVE HOMEWORK JOHN WRITE HOMEWORK

67: JOHN \*JOHN \*MARY BUY HOUSE JOHN FUTURE NOT BUY HOUSE

7: JOHN \*STUDENT \*GIVE1 \*STUDENT JOHN CAN GO CAN

201: JOHN \*IX MARY \*IX BUY HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: JOHN \*JOHN \*IX MARY JOHN NOT VISIT MARY

119: \*JOHN \*BUY1 IX CAR \*MARY SUE BUY IX CAR BLUE

12: JOHN CAN \*GO1 CAN JOHN CAN GO CAN

77: \*JOHN BLAME MARY ANN BLAME MARY

142: JOHN BUY \*FUTURE WHAT \*MARY JOHN BUY YESTERDAY WHAT BOOK

107: JOHN \*JOHN FRIEND \*JOHN \*MARY JOHN POSS FRIEND HAVE CANDY

84: \*JOHN \*GIVE1 \*IX BOOK IX-1P FIND SOMETHING-ONE BOOK

21: \*MARY \*MARY WONT \*MARY \*CAR \*TOMORROW \*FUTURE \*MARY JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: JOHN \*IX \*MARY IX IX JOHN LIKE IX IX IX

89: \*MARY \*JOHN \*IX \*IX \*JOHN \*WHAT \*CAN JOHN IX GIVE MAN IX NEW COAT

71: JOHN \*MARY VISIT MARY JOHN WILL VISIT MARY

92: JOHN \*IX \*JOHN \*IX \*IX BOOK JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: JOHN \*JOHN \*JOHN \*IX \*IX \*JOHN JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: JOHN \*IX IX \*JOHN IX JOHN LIKE IX IX IX

193: JOHN \*IX \*WOMAN BOX JOHN GIVE GIRL BOX

36: \*JOHN \*JOHN \*JOHN IX \*MARY \*MARY MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*BUY1 WHAT \*JOHN \*MARY JOHN BUY WHAT YESTERDAY BOOK

167: JOHN IX \*IX \*CAR \*WHAT JOHN IX SAY LOVE MARY

40: \*MARY IX \*JOHN MARY \*MARY JOHN IX THINK MARY LOVE

28: JOHN \*MARY \*JOHN IX \*SHOULD JOHN LIKE IX IX IX

171: JOHN \*JOHN BLAME JOHN MARY BLAME

43: JOHN \*IX \*FINISH HOUSE JOHN MUST BUY HOUSE

108: \*JOHN \*MOVIE WOMAN ARRIVE

174: \*GIVE1 \*MARY GIVE1 \*MARY \*FINISH PEOPLE GROUP GIVE1 JANA TOY

113: \*JOHN CAR \*MARY \*MARY \*GIVE1 IX CAR BLUE SUE BUY

50: \*JOHN JOHN BUY CAR \*MARY FUTURE JOHN BUY CAR SHOULD

199: \*JOHN \*WHAT \*MARY LIKE CHOCOLATE WHO

158: \*ARRIVE JOHN \*JOHN LOVE JOHN WHO

54: JOHN \*JOHN \*JOHN BUY HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*JOHN JOHN LEG

184: \*IX \*JOHN \*GIVE1 \*WHO \*MARY ALL BOY GIVE TEACHER APPLE

57: \*MARY \*JOHN \*IX \*IX JOHN DECIDE VISIT MARY

122: JOHN \*ARRIVE \*WHAT JOHN READ BOOK

189: JOHN \*JOHN \*JOHN \*ARRIVE JOHN GIVE GIRL BOX

181: JOHN \*GIVE1 JOHN ARRIVE

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Feature Set: Delta

Model Selector: Cross Validation

\*\*\*\* WER = 0.5955056179775281

Total correct: 72 out of 178

Video Recognized Correct

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100: \*JOHN NEW CAR BREAK-DOWN POSS NEW CAR BREAK-DOWN

2: JOHN \*LOVE HOMEWORK JOHN WRITE HOMEWORK

67: JOHN \*JOHN \*IX BUY \*LOVE JOHN FUTURE NOT BUY HOUSE

7: JOHN \*FINISH GO \*TEACHER JOHN CAN GO CAN

201: JOHN \*IX \*IX \*LIKE BUY HOUSE JOHN TELL MARY IX-1P BUY HOUSE

74: JOHN \*IX \*IX MARY JOHN NOT VISIT MARY

119: \*JOHN \*BUY1 \*GO CAR \*MARY SUE BUY IX CAR BLUE

12: JOHN CAN \*GO1 CAN JOHN CAN GO CAN

77: \*JOHN BLAME MARY ANN BLAME MARY

142: JOHN BUY YESTERDAY WHAT \*MARY JOHN BUY YESTERDAY WHAT BOOK

107: JOHN POSS FRIEND \*MARY \*MARY JOHN POSS FRIEND HAVE CANDY

84: \*JOHN \*NEW \*IX \*MARY IX-1P FIND SOMETHING-ONE BOOK

21: \*MARY \*MARY \*HOMEWORK \*MARY \*BUY \*GO \*SHOULD \*MARY JOHN FISH WONT EAT BUT CAN EAT CHICKEN

25: JOHN \*IX \*MARY IX IX JOHN LIKE IX IX IX

89: \*MARY IX GIVE \*IX IX NEW \*CAN JOHN IX GIVE MAN IX NEW COAT

71: JOHN \*JOHN VISIT MARY JOHN WILL VISIT MARY

92: JOHN \*IX IX \*IX WOMAN \*NEW JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

90: \*IX \*IX \*JOHN \*IX WOMAN \*MARY JOHN GIVE IX SOMETHING-ONE WOMAN BOOK

30: JOHN \*IX IX \*JOHN IX JOHN LIKE IX IX IX

193: JOHN \*IX \*LIKE BOX JOHN GIVE GIRL BOX

36: \*IX \*IX \*IX \*GIVE \*MARY \*IX MARY VEGETABLE KNOW IX LIKE CORN1

139: JOHN \*NEW WHAT \*IX \*MARY JOHN BUY WHAT YESTERDAY BOOK

167: JOHN IX \*IX \*ARRIVE \*WHAT JOHN IX SAY LOVE MARY

40: \*MARY IX \*JOHN \*IX \*IX JOHN IX THINK MARY LOVE

28: JOHN \*IX IX IX IX JOHN LIKE IX IX IX

171: \*IX \*JOHN BLAME JOHN MARY BLAME

43: JOHN \*WOMAN BUY HOUSE JOHN MUST BUY HOUSE

108: \*JOHN \*STUDENT WOMAN ARRIVE

174: \*GO \*MARY GIVE1 \*MARY \*PEOPLE PEOPLE GROUP GIVE1 JANA TOY

113: \*JOHN CAR \*MARY \*MARY \*BUY1 IX CAR BLUE SUE BUY

50: \*JOHN \*NOT BUY CAR \*MARY FUTURE JOHN BUY CAR SHOULD

199: \*JOHN \*BOOK \*MARY LIKE CHOCOLATE WHO

158: \*GIVE1 \*MARY \*MARY LOVE JOHN WHO

54: JOHN \*JOHN \*JOHN BUY HOUSE JOHN SHOULD NOT BUY HOUSE

105: JOHN \*IX JOHN LEG

184: \*GIVE \*JOHN \*GIVE1 TEACHER \*MARY ALL BOY GIVE TEACHER APPLE

57: \*MARY \*JOHN \*IX \*IX JOHN DECIDE VISIT MARY

122: JOHN \*BOX BOOK JOHN READ BOOK

189: JOHN \*IX \*JOHN \*WHAT JOHN GIVE GIRL BOX

181: JOHN \*GIVE1 JOHN ARRIVE

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