Party Problem (Hard)

<u>Directions:</u> Each group of questions in this section is based on a set of conditions. In answering some of the questions, it may be useful to draw a rough diagram. Choose the response that most accurately and completely answers each question and blacken the corresponding space on your answer sheet.

<u>Questions 1–7</u>

Dylan is hosting a party and invites nine fickle friends, some who get along, and some who don't. Five men—Ken, Lance, Matt, Nick, and Oscar—and four women—Pam, Reena, Sara, and Tracy—are invited. The following conditions apply:

Tracy will come to the party only if Sara comes.

If Oscar and Pam come, Lance will not come.

Tracy is coming to the party unless both Lance and Reena come.

Ken will come to the party if at least three women come.

Nick will come to the party only if two or more women come.

1. Which of the following could be a complete and accurate list of people who come to the party?

   (A) Ken, Oscar, Pam, Tracy
   (B) Lance, Ken, Oscar, Pam, Sara, Tracy
   (C) Ken, Matt, Nick, Oscar, Pam, Sara, Tracy
   (D) Matt, Oscar, Pam, Sara, Tracy
   (E) Ken, Matt, Oscar, Pam, Sara

2. Each of the following could be true EXCEPT:

   (A) Both Lance and Pam come to the party.
   (B) Both Lance and Oscar come to the party.
   (C) Both Lance and Sara come to the party.
   (D) Neither Oscar nor Pam comes to the party.
   (E) Neither Lance nor Sara comes to the party.

3. What is the minimum number of people that will come to the party?

   (A) 2
   (B) 3
   (C) 4
   (D) 5
   (E) 6

4. If Nick comes to the party, which of the following must be false?

   (A) Neither Lance nor Pam comes to the party.
   (B) Neither Oscar nor Tracy comes to the party.
   (C) Neither Pam nor Reena comes to the party.
   (D) Neither Pam nor Sara comes to the party.
   (E) Neither Oscar nor Pam comes to the party.

5. If both Oscar and Pam come to the party, each of the following must be true EXCEPT:

   (A) Ken comes to the party.
   (B) Lance does not come to the party.
   (C) Tracy comes to the party.
   (D) Sara comes to the party.
   (E) Nick comes to the party.

6. If all four women come to the party, which of the following cannot be a complete list of men who come to the party?

   (A) Ken, Matt, Nick, Oscar
   (B) Ken, Lance, Matt
   (C) Ken, Lance, Matt, Oscar
   (D) Ken, Lance, Nick
   (E) Ken, Oscar

7. Which of the following rules, if substituted for the condition that Nick will come to the party only if two or more women come, would have the same effect on determining who attends the party?

   (A) If two or more women do not come to the party, Nick will not come.
   (B) If Reena is the only woman at the party, Nick will not come.
   (C) If Nick does not come to the party there are fewer than two women at the party.
   (D) If two or more women come to the party, Nick will come.
   (E) If Nick comes to the party, Tracy will come to the party.

PARTY PROBLEM (HARD) (MANHATTAN LSAT)

1. C
2. E
3. A
4. D
5. E
6. C
7. B

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