HOMEWORK #2 CS262Z

J. Pearl Spring 2000

- 1. Prove that conditions (i)-(iii) of Definition 1.3.1 are necessary and sufficient for the truncated factorization of Eq. (1.37).
- 2. Prove that the properties expressed in Eqs. (1.38) and (1.39) follow from Definition 1.3.1.
- 3. Prove that only descendants of X_i can be influenced by manipulating X_i .
- 4. Invent two additional functional models that are experimentally equivalent to models 1 and 2 of Figure 1.6, yet each yields distinct value for P(Q) (specify their contingency tables).