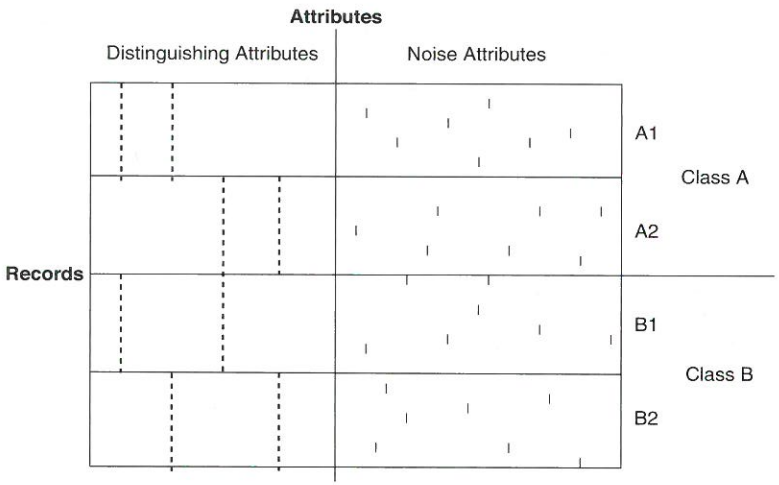

Figure 5.46. Data set for Exercise 9.

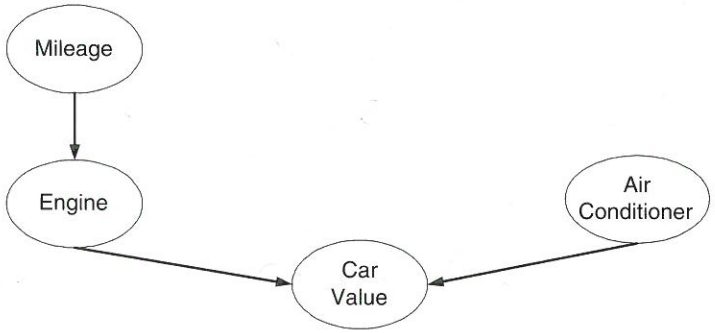

Figure 5.47. Bayesian belief network.

(b) Use the Bayesian network to compute P(Engine = Bad, Air Conditior = Broken).

12. Given the Bayesian network shown in Figure 5.48, compute the following pro abilities:

    (a) P(B = good, F = empty, G = empty, S = yes).

    (b) P(B = bad, F = empty, G = not empty, S = no).

    (c) Given that the battery is bad, compute the probability that the car w start.

13. Consider the one-dimensional data set shown in Table 5.13.