1994 Paper 12 Question 9

Specification and Verification of Hardware

Briefly discuss each of the following topics:

(*a*) the representation of schematic diagrams in predicate calculus   [5 marks]

(*b*) the use of primitive recursion in hardware specification   [5 marks]

(*c*) modelling combinational and sequential circuits   [5 marks]

(*d*) temporal abstraction   [5 marks]