

1.2 Applications of Propositional Logic

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Express these system specifications using the propositions p “The message is scanned for viruses” and q “The message was sent from an unknown system” together with logical connectives (including negations).

- a “The message is scanned for viruses whenever the message was sent from an unknown system.”
- b “The message was sent from an unknown system but it was not scanned for viruses.”
- d “When a message is not sent from an unknown system it is not scanned for viruses.”