

HNK-1

- 18 a) If I am to remember to send you an address, then you will have to send me an e-mail message
- 18 e) If you get a job, then you had the best credentials.
- 18 g) If you log on to the server, then you have a valid password.

- 46) P denote "software being used"
q denote "Users accessing file system"
r denote "Save new files"

The sentences in the question can be symbolically written as

$$P \rightarrow \neg q$$

$$q \rightarrow r$$

$$\neg r \rightarrow \neg p$$

When p is false, q is false and r is true, all implications are true.

The above assignment of truth values make all three specification true. This makes the system consistent.