Roll - 1705035

Assignment no - 2

chapter - 1

section - 2

Answer to the question no - 21

$P = $ "I am a knave"

$q = $ "B is a knight"

A said - $P \lor q$. B said nothing.

If A is knave, then the value of $P \lor q$ will always be true. ($P \lor q$ will be true if P is true). This is a contradiction. So A is not knave if A is a knight, then $\neg P$ is true. So in order to $P \lor q$ be true, then q must be true. So B must be a knight. As B is said nothing. it is possible.

So, Both of them are knight.