

(iii)

$$\begin{bmatrix} 0 & 1 & 1 & 0 \\ 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 0 \end{bmatrix}, \begin{bmatrix} 0 & 1 & 0 & 1 \\ 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \\ 1 & 0 & 1 & 0 \end{bmatrix}$$

A contains 8 ones and thus the simple graph corresponding to A contains 8 connections.

B contains 6 ones and thus the simple graph corresponding to A contains 6 connection.

Since the num of connection of the graph are not same the number of graph are not thus the graph isomorphic.

not isomorphic.