**Name-** Jayanta Ghosh

**Roll no-** 190112

**Perform SVD analysis of a network.**

**Implementation:-**

library(igraph)

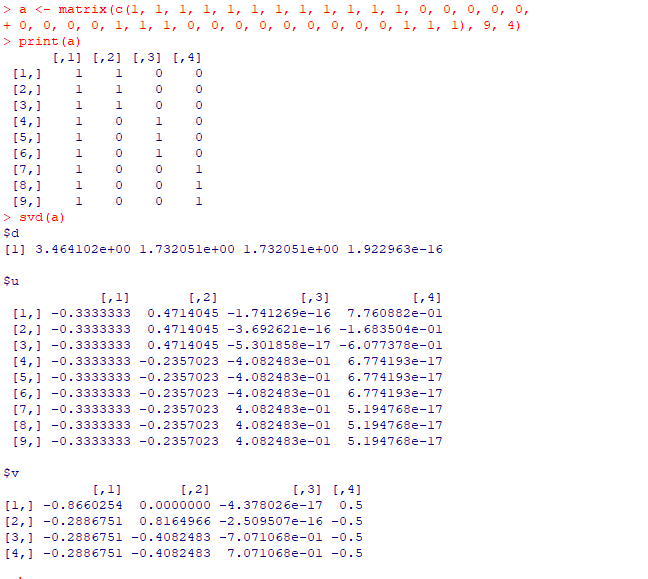
a <- matrix(c(1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 0, 0,

0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1), 9, 4)

print(a)

svd(a)

**Output:-**

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