1 a) Adjacency Incidence 12345678 A11110000 B10001100 I= CO1010010 00100001 E00000101 F00010010 Degree Laplace L=D-A 0 = -1002-10 -1 2

-10-1002

$$L = II^{T} = \begin{pmatrix} 2 - 1 - 10000 \\ -13 - 2000 \\ -1 - 24 - 100 \\ 00 - 1100 \\ 00002 - 2 \\ 0000 - 22 \end{pmatrix}$$

