Graphs

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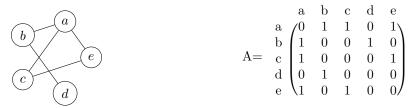
Contents

1 Adjacency Matrices

 $\mathbf{2}$

1 Adjacency Matrices

A finite graph can be represented by a square matrix $n \times n$ where n is the number of vertices.



Every row and column represents a vertice. 1 means that the two vertices are adjacent, 0 otherwise. The diagonal of this matrix will always e 0s since no vertice is adjacent to itself and $A = A^t$