

## Step-1

Let us consider the matrix in which first row is all 1s and then every element of  $a_{i,i+1} = 1$

$$C = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 & - \\ 1 & 0 & 0 & 0 & 0 & 0 & - \\ 0 & 1 & 0 & 0 & 0 & 0 & - \\ 0 & 0 & 1 & 0 & 0 & 0 & - \\ 0 & 0 & 0 & 1 & 0 & 0 & - \\ - & - & - & - & - & - & - \\ - & - & - & - & - & - & - \end{bmatrix}$$

It is observed that any  $p$  rows have 1s in at least  $p$  columns.

## Step-2

Now, in this case  $n+1$  women marry the only  $n$  acceptable men. Therefore, there is no one to marry the last 1, even though all are acceptable to 1.

**Thus, complete matching is not possible in this case.**