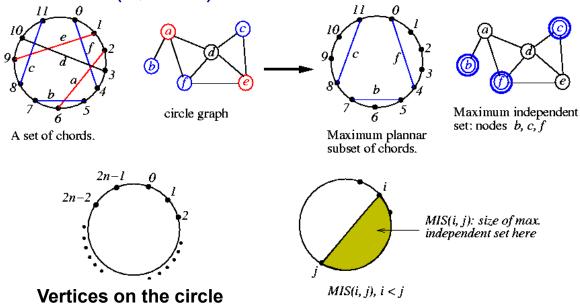
Supowit's Algorithm for Finding MPSC

- Supowit, "Finding a maximum planar subset of a set of nets in a channel," *IEEE TCAD*, 1987.
- Problem MPSC: Given a set of chords, find a maximum planar subset of chords.
 - Label the vertices on the circle 0 to 2*n*-1.
 - Compute MIS(i, j): size of maximum independent set between vertices i and j, i < j.

- Answer = MIS(0, 2n-1).



Dynamic Programming in Supowit's Algorithm

• Apply dynamic programming to compute MIS(i, j).

