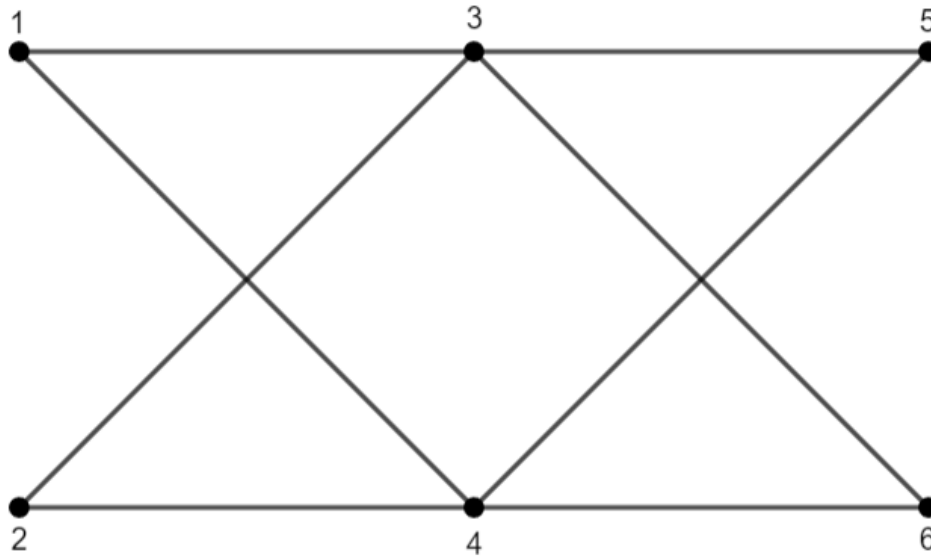


Benes Network of dimension one  $B(1)$



Metric dimension - 4

BIGS Index – 8

Extracted Metric Bases using BIGS algorithm

1.  $\{1, 2, 3, 5\}$
2.  $\{1, 2, 3, 6\}$
3.  $\{1, 2, 4, 5\}$
4.  $\{1, 2, 4, 6\}$
5.  $\{1, 3, 5, 6\}$
6.  $\{1, 4, 5, 6\}$
7.  $\{2, 3, 5, 6\}$
8.  $\{2, 4, 5, 6\}$