

		vertex and no. of degree							
		1	2	3	4	5	6	7	8
New ordering		1	3	2	1	2	2	1	2
1	(7)	1	3	2	1	2	2	X	2
2	(4)	1	3	2	X	2	2	X	2
3	(1)	X	3	2	X	1	2	X	2
4	(5)	X	3	1	X	X	2	X	2
5	(3)	X	2	X	X	X	2	X	2
6	(6)	X	1	X	X	X	X	X	1
7	(8)	X	1	X	X	X	X	X	X
8	(2)	X	X	X	X	X	X	X	X