New		vertex and number of degree									
ordering		1	2	3	4	5	6	7	8	9	10
$\leftarrow$		6	2	2	3	4	5	1	6	3	4
1	7	6	2	2	3	4	4	X	6	3	4
2	2	5	X	1	3	4	4	X	6	3	4
3	3	4	X	X	3	4	4	X	5	3	4
4	4	3	X	X	X	4	3	X	5	3	4
5	1	X	X	X	X	4	2	X	4	3	3
6	6	X	X	X	X	3	X	X	3	3	3
7	8	X	X	X	X	2	X	X	X	2	2
8	5	X	X	X	X	X	X	X	X	1	1
9	9	X	X	X	X	X	X	X	X	X	1
10	10	X	X	X	X	X	X	X	X	X	X