

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

$$\sqrt{n} = 2$$

TSP8/?	1	2	3	4	5	6	7	8		Neighbors		
1	0		2		1				1	3	5	6
2		0			1			2	2	3	4	5
3	1	2	0						3	1	2	6
4		2		0				1	4	2	8	
5	1	2			0				5	1	2	
6	1		2			0	2		6	1	3	7
7			2				0	1	7	3	6	8
8		1					2	0	8	2	4	7
	1	2	3	4	5	6	7	8				
1	3	2	0	0	2	0	0	2				
2	0	3	3	0	0	0	2	1				

8
7