

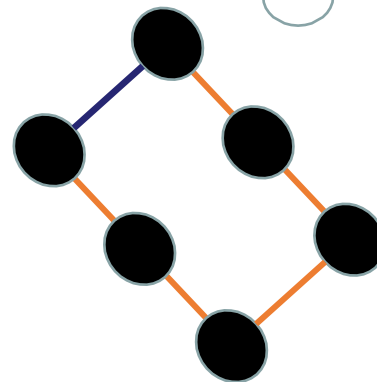
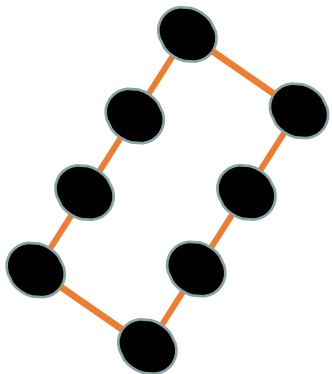
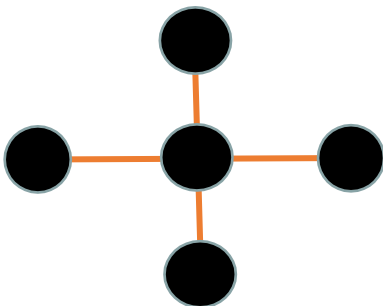
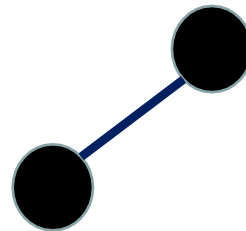
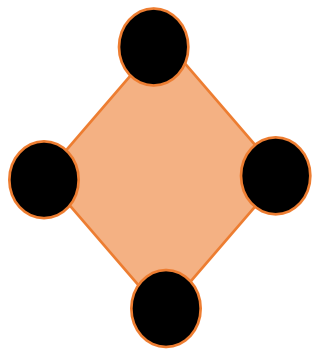
中国古代数 学家杨辉





魔法幻方

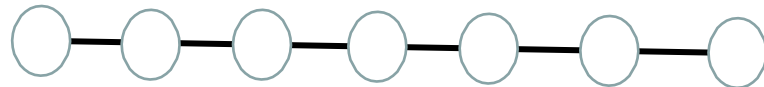
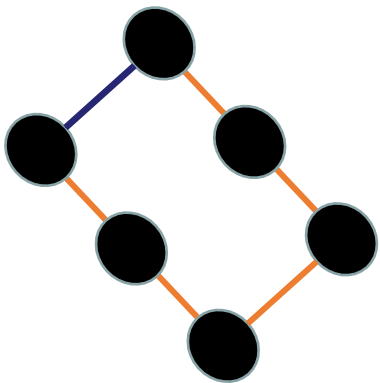
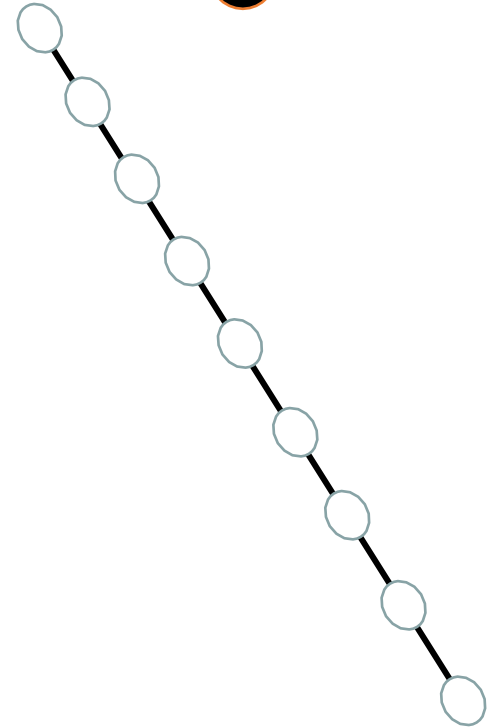
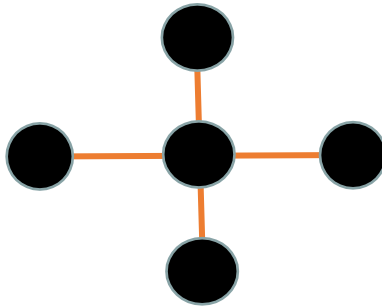
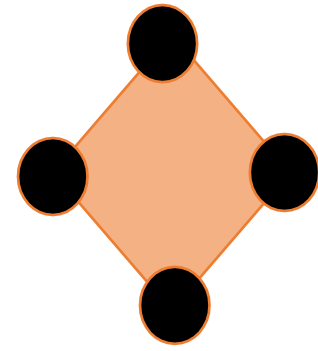
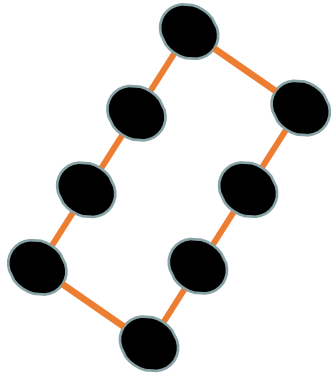


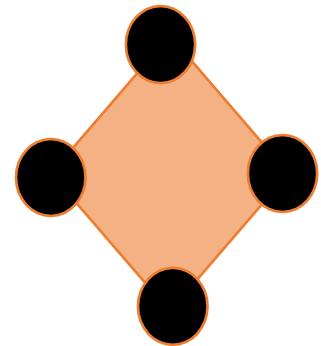
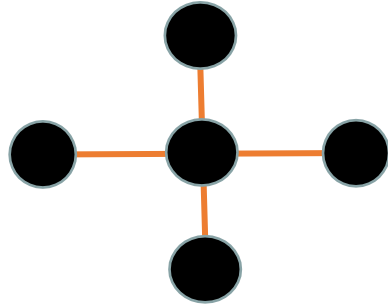
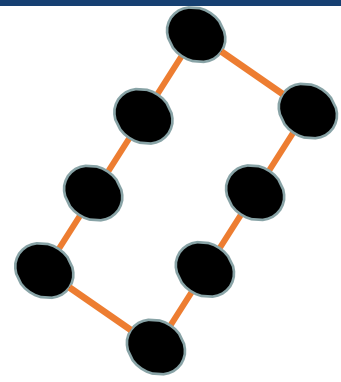
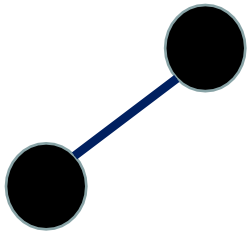
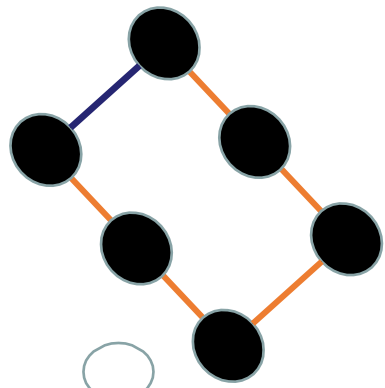




二人小组探究洛书与幻方 之间的联系与区别









4	9	2
3	5	7
8	1	6

6	1	8
7	5	3
2	9	4

8	3	4
1	5	9
6	7	2

像这样三行，三列，两条对角线的和都是15的，我们把它称为**三阶幻方**，又名“**九宫格**”





二人小组探究九宫格的规律

8	3	4
1	5	9
6	7	2

6	1	8
7	5	3
2	9	4

4	9	2
3	5	7
8	1	6





杨辉总结的规律是：

九子斜排，
上下对易，
左右相更，
四维挺出。





如果把11-19填入九宫格，分3行排列，横，竖，斜相加结果都是45怎么填呢？





在九宫格中自己设计一个幻方





**今天我们研究了什么？
今天我们学到了什么？**



谢谢大家



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