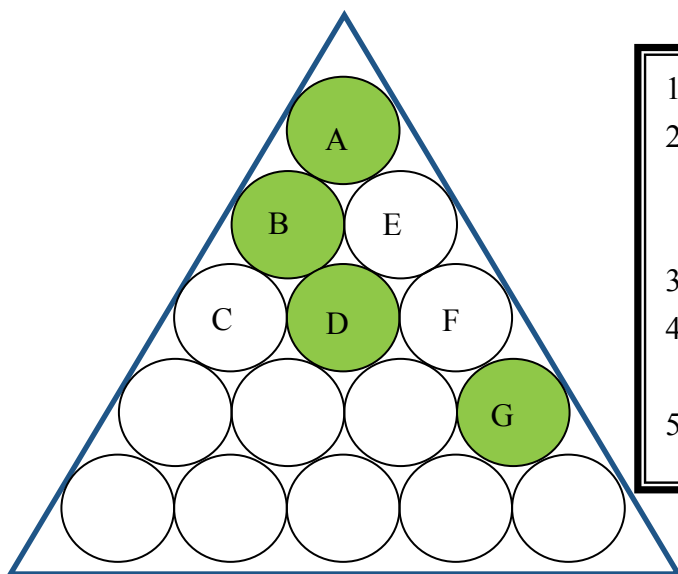


超級殺手

各位小朋友都玩過殺手跳棋吧！

15 子殺手跳棋玩法圖示(4 子玩法)：



1. A、B、D、G 各有一顆棋子
2. 當 A 跳到 C 時，B 即拿掉，故會留下 C 和 D 和 G，然後 C 跳到 F 剩下 F、G。G 再跳到 E 最後剩下 E。
3. 不可以用走的，如 A 走到 E。
4. A 不可以跳到 D，不可以跳到 F(因為 E 沒有棋子)
5. 最後留下一顆棋子即過關。

- 【問題一】(1)15 子殺手跳棋缺 1 號跳法(1★)
(2) 15 子殺手跳棋缺 5 號跳法(1★)
(3) 15 子殺手跳棋缺 13 號跳法(1★)

【問題二】請找出所有 15 子殺手跳棋四子的過關擺設位置共有多少種?並畫出擺設位置。(2★)

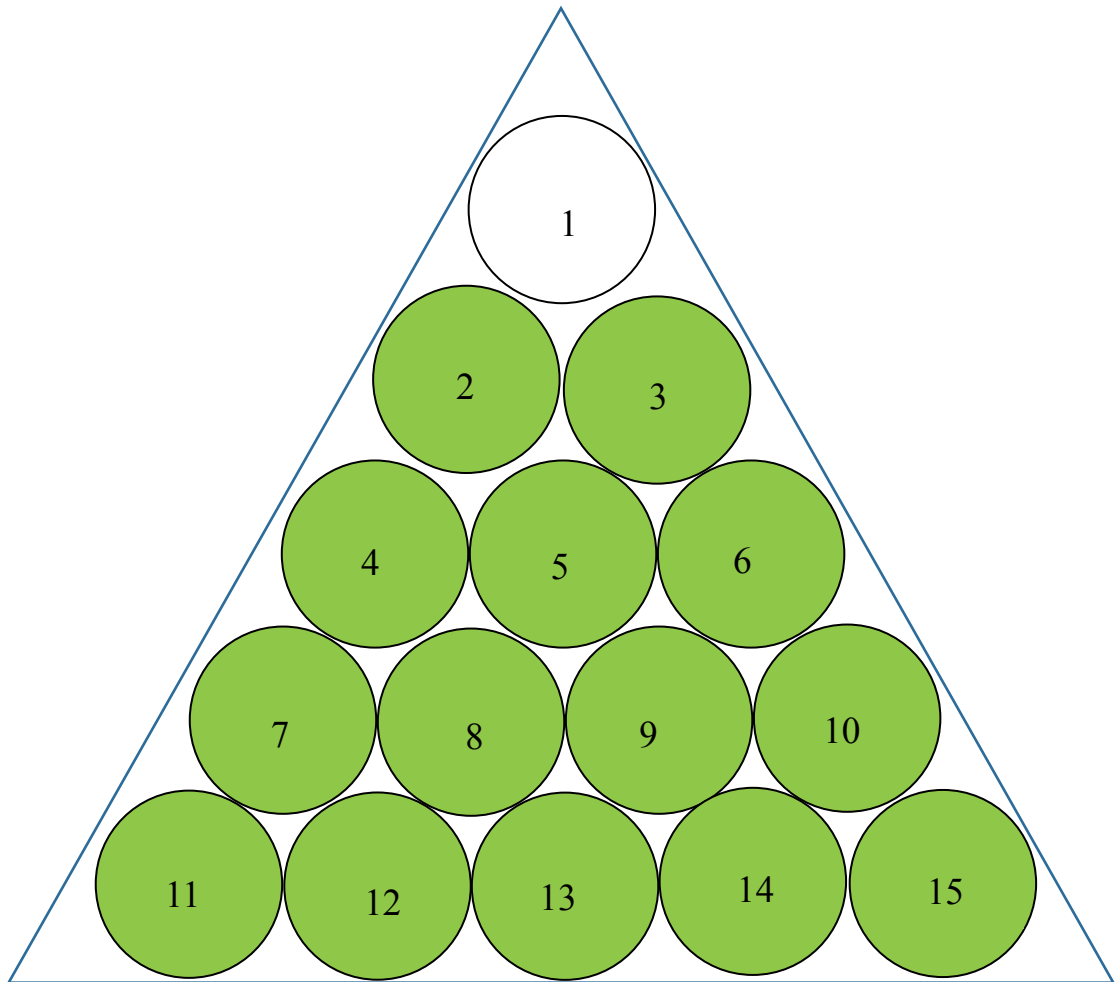
【問題三】請找出所有 15 子殺手跳棋四子的過關擺設位置共有多少種? 並畫出擺設位置。(3★)

【問題四】請寫出心得與發現。(2★)

【問題一】1★ 缺1號的跳法：(請紀錄13個步驟)

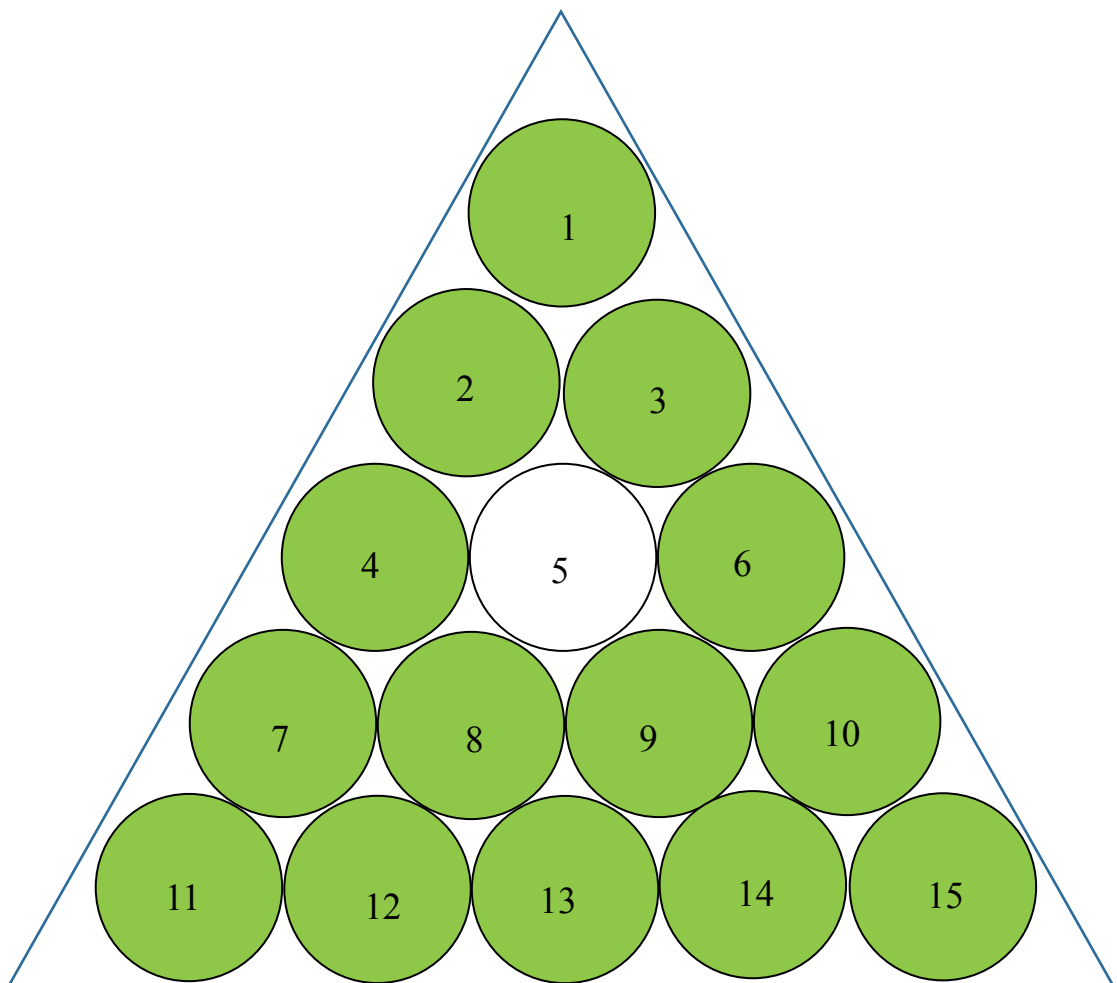
紀錄方式 6-1:表示由6號跳到1號，隨即把3號取走。

1	2	3	4	5	6	7	8	9	10
6-1	4-6	11-4	13-11	6-13	14-12	15-6	11-13	2-7	12-5
11	12	13	14	15	16	17	18	19	20
6-4	7-2	1-4							



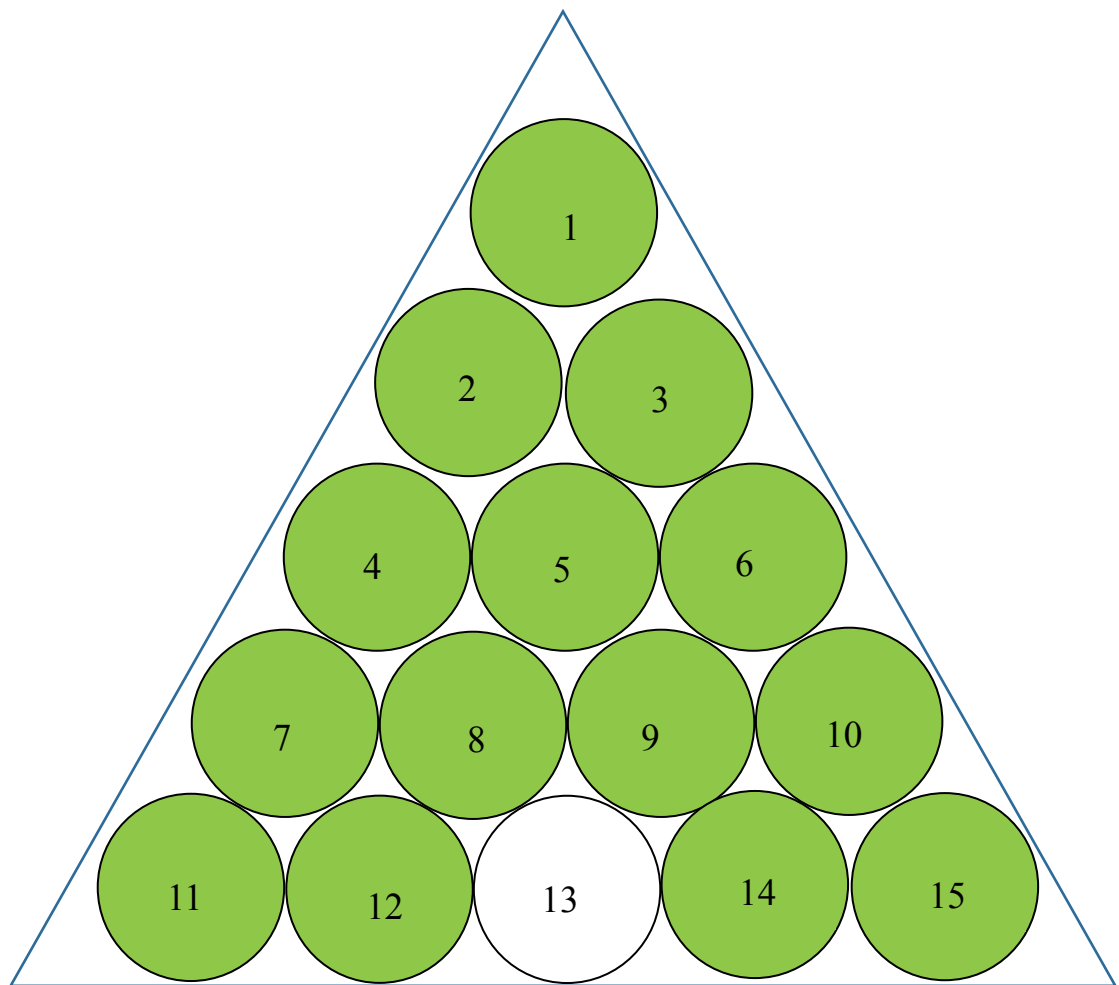
【問題一】 1★ 缺5號的跳法：(請紀錄13個步驟)

1	2	3	4	5	6	7	8	9	10
12-5	10-8	2-9	14-12	7-2	1-4	3-10	15-6	6-13	12-14
11	12	13	14	15	16	17	18	19	20
4-13	14-12	11-13							



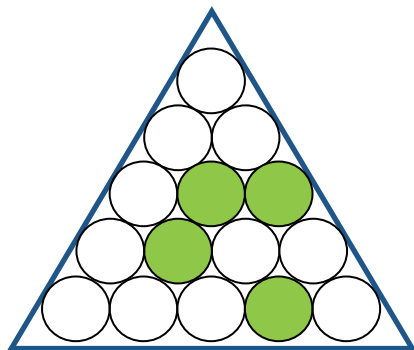
【問題一】1★ 缺13號的跳法：(請紀錄13個步驟)

1	2	3	4	5	6	7	8	9	10
6-13	2-9	1-6	7-2	13-4	2-7	11-13	10-8	7-9	14-12
11	12	13	14	15	16	17	18	19	20
6-13	12-14	15-13							

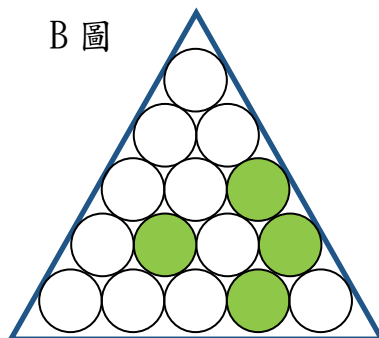


【問題二】2★請找出所有 15 子殺手跳棋四子的過關擺設位置共有多少種?(21 種)並將棋子塗上顏色，若圖不夠自行複製。

A 圖

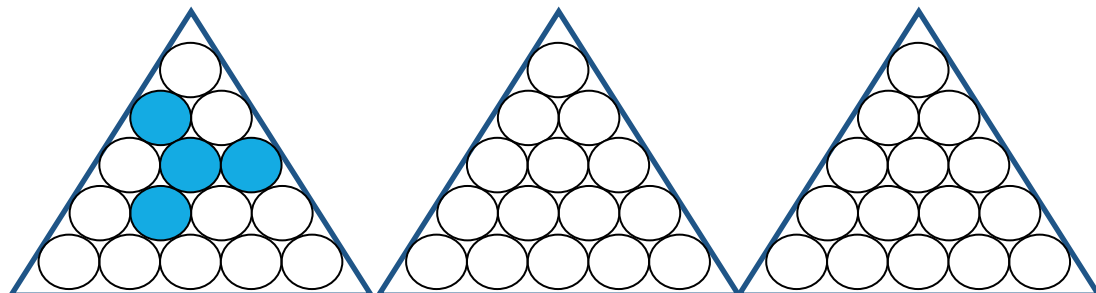
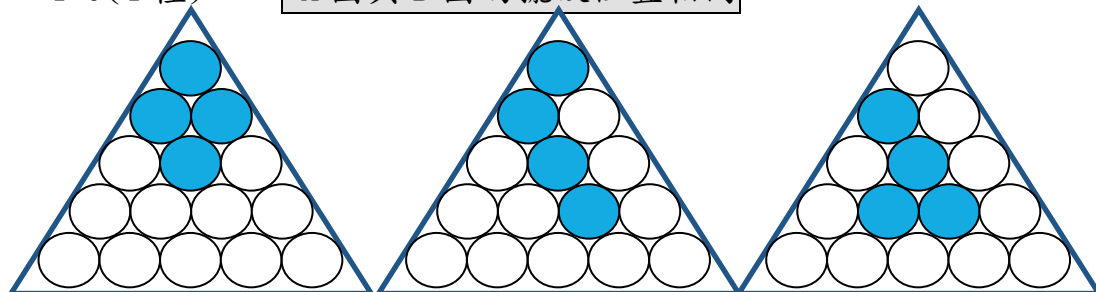


B 圖



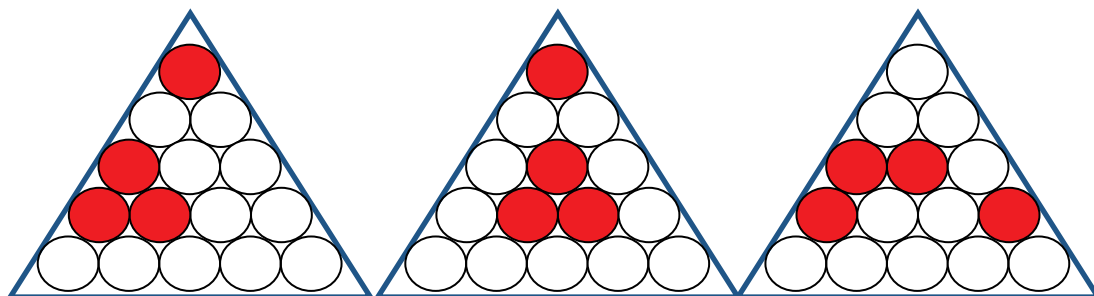
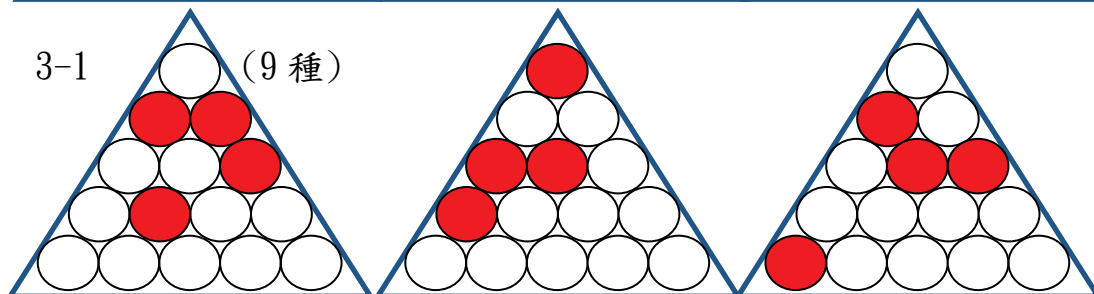
4-0(4 種)

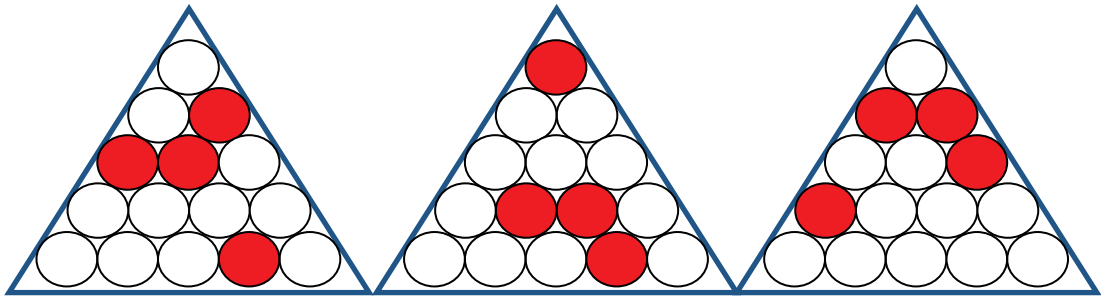
A 圖與 B 圖的擺設位置相同



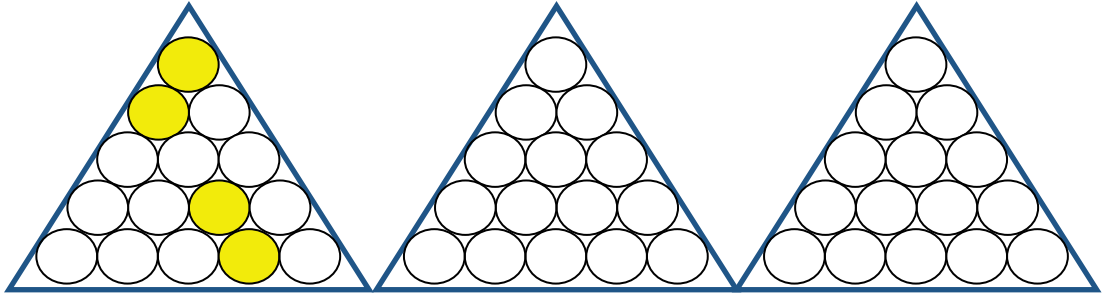
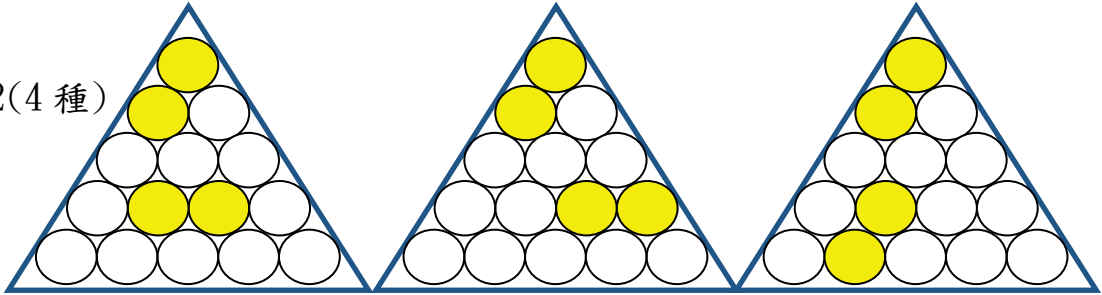
3-1

(9 種)

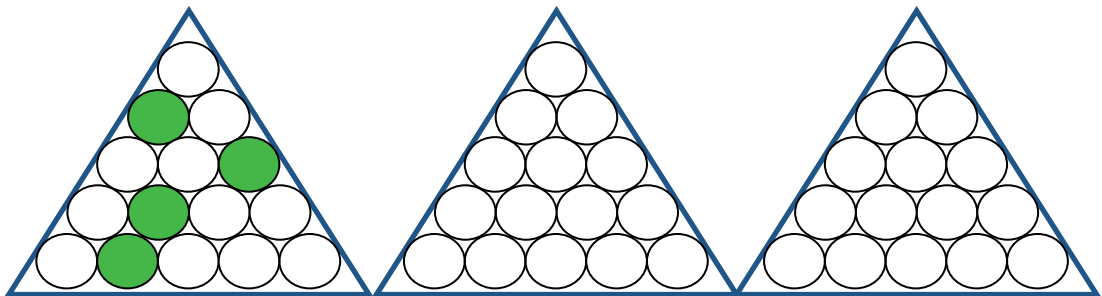
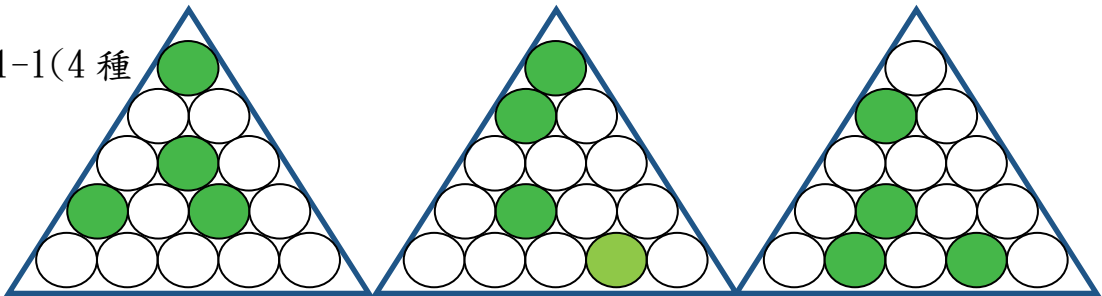




2-2(4種)

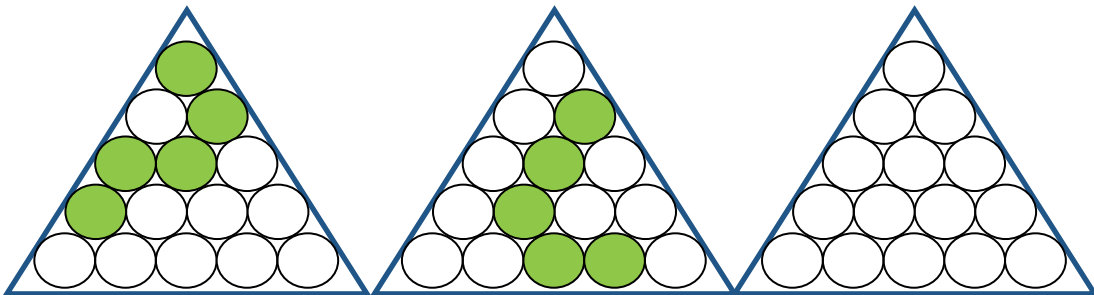
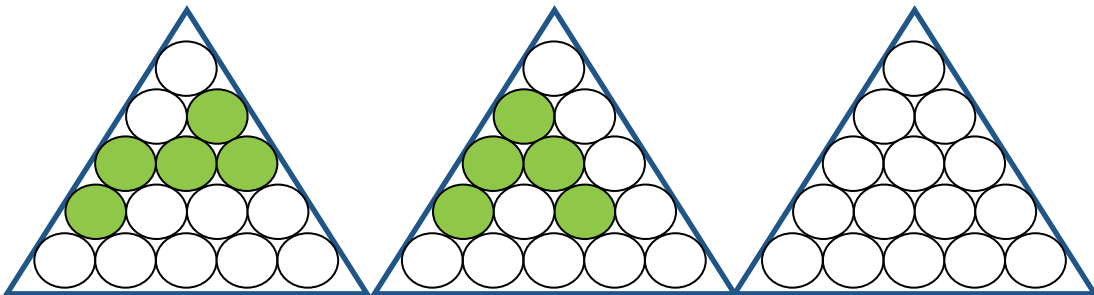
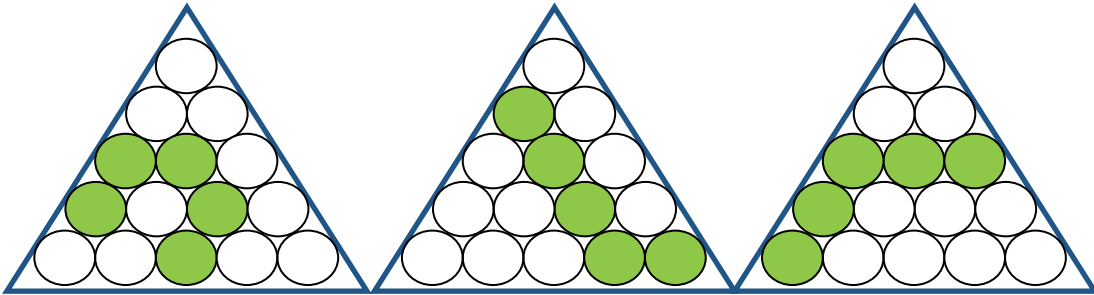
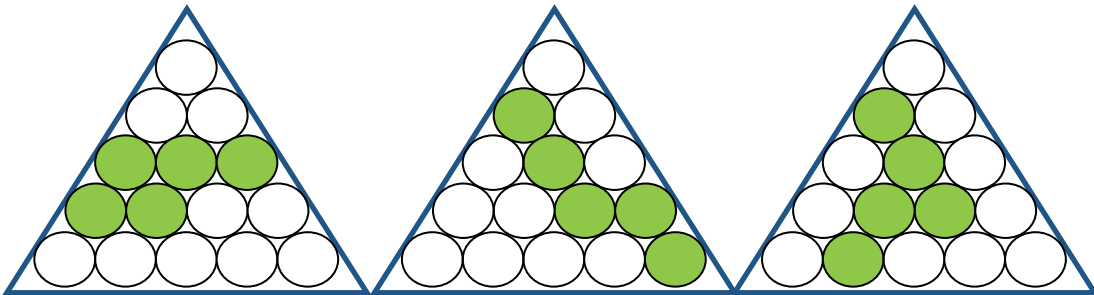
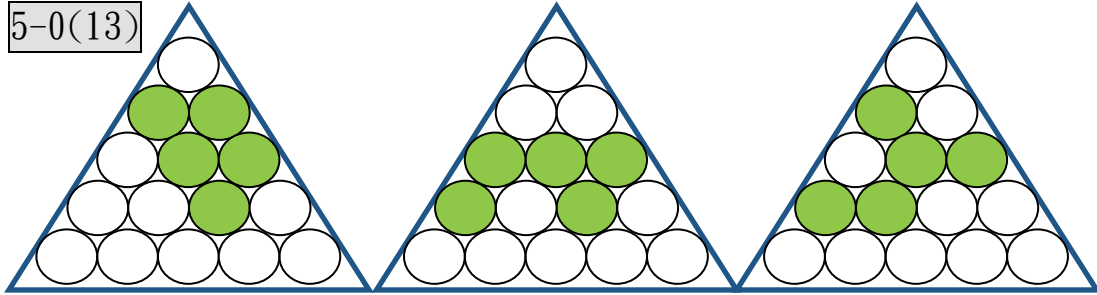


2-1-1(4種)

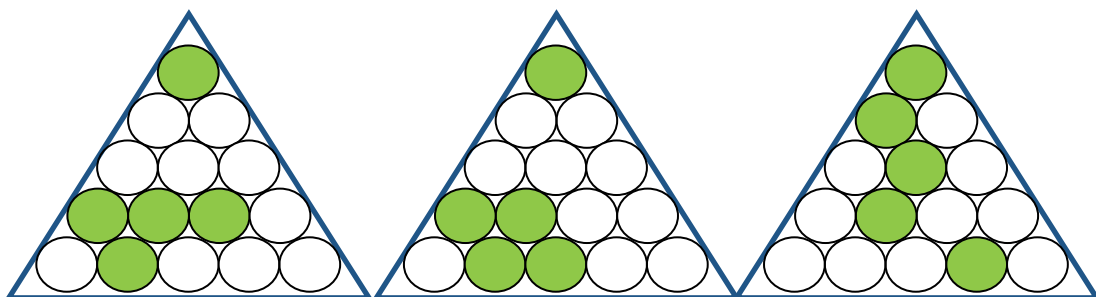
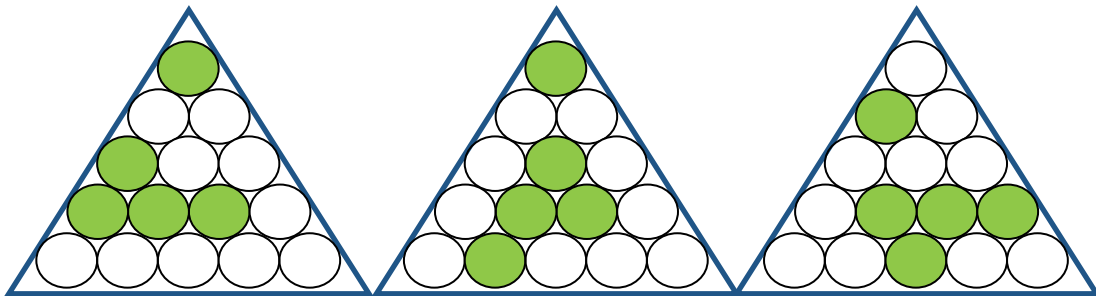
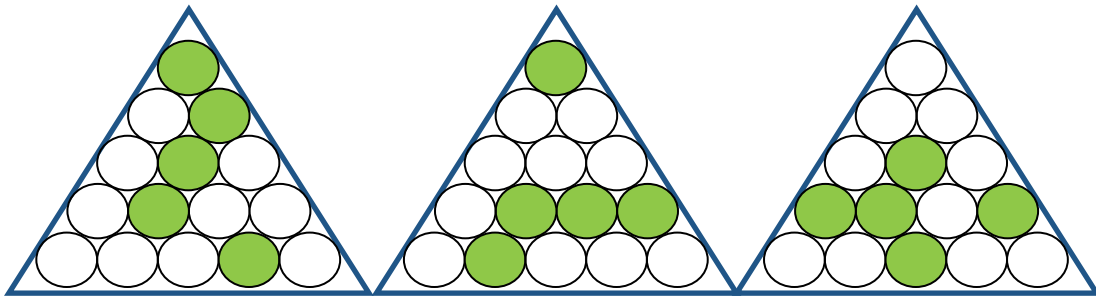
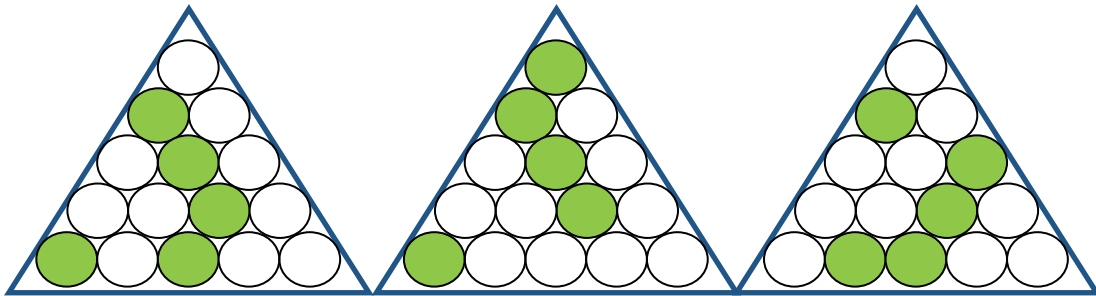
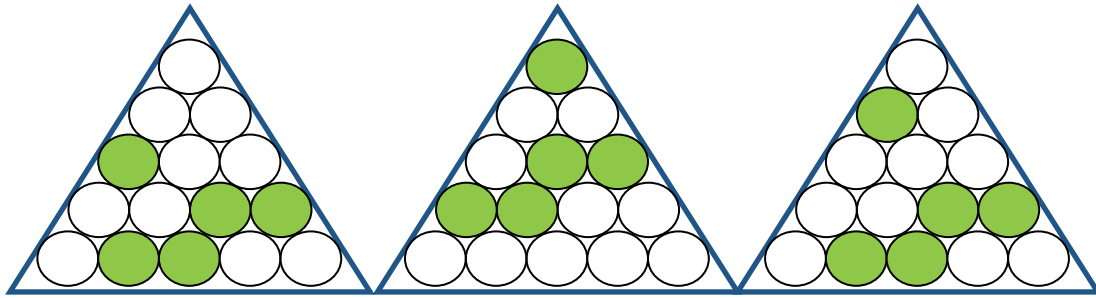


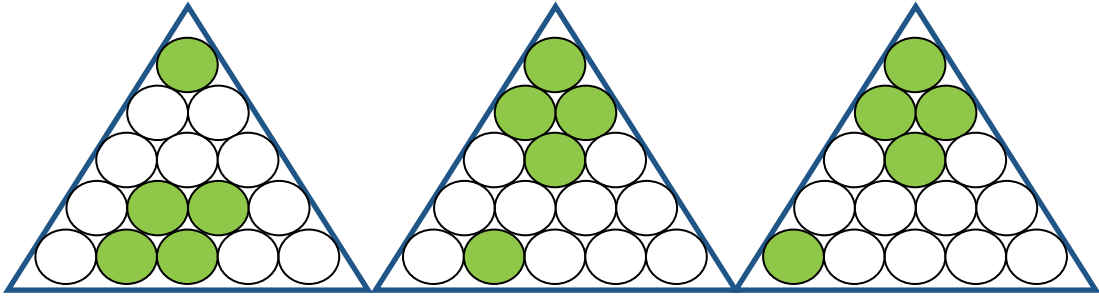
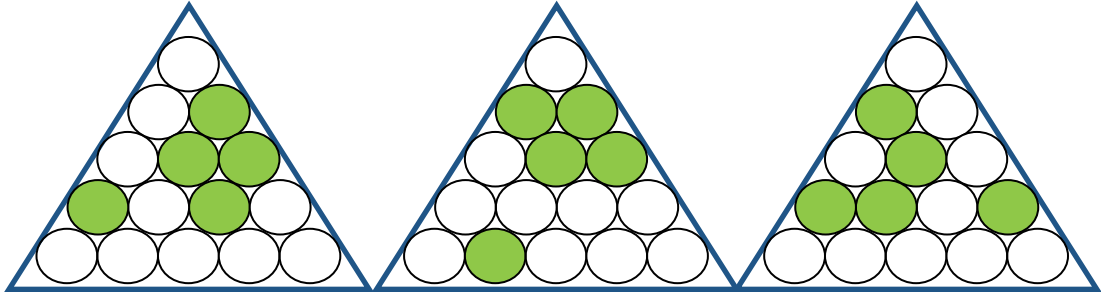
【問題三】3★請找出所有 15 子殺手跳棋五子的過關擺設位置共有多少種?(83 種)並將棋子塗上顏色，若圖不夠自行複製。

5-0(13)

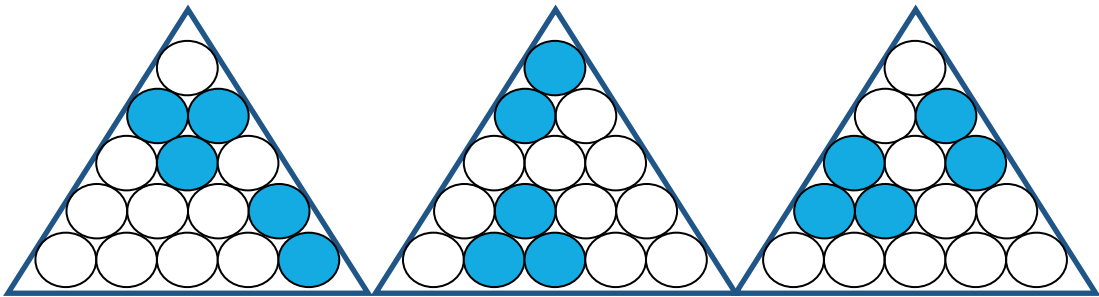
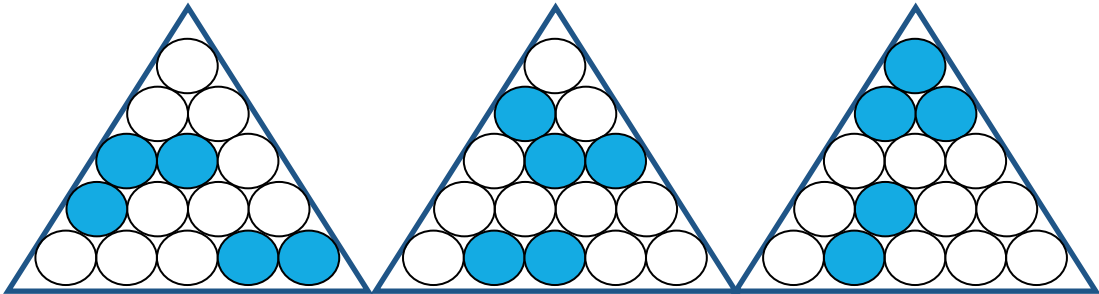
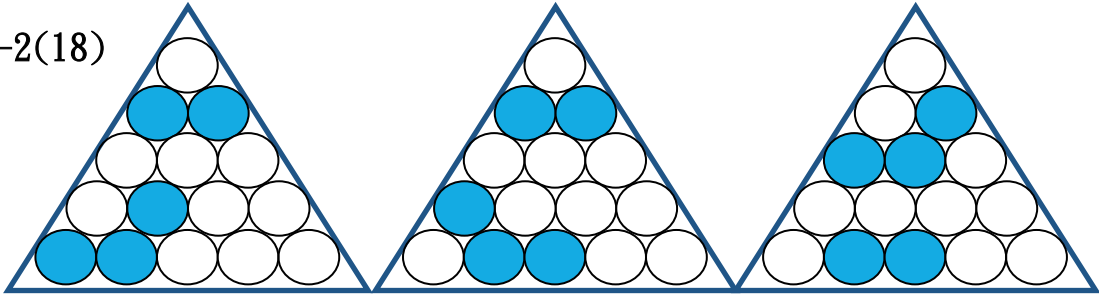


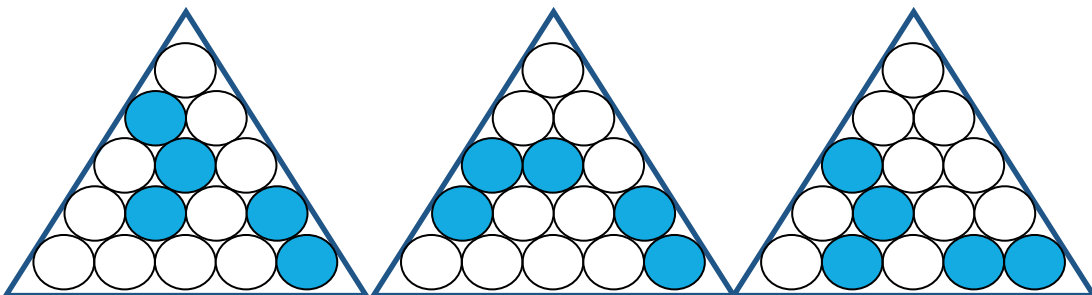
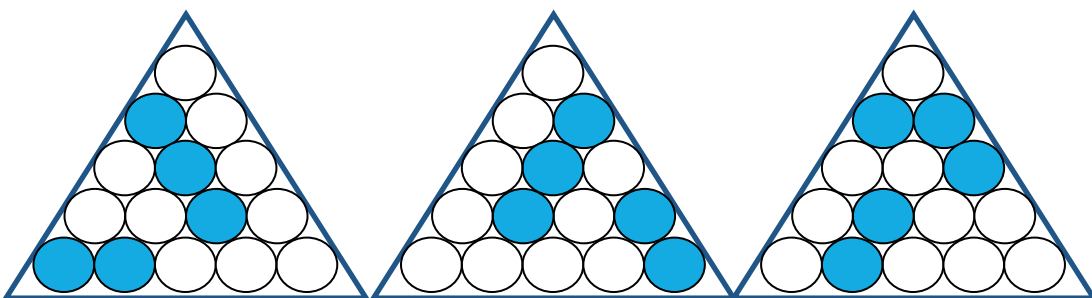
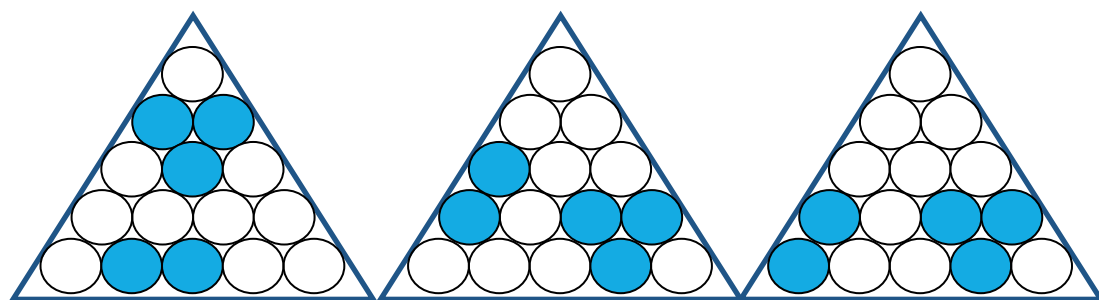
4-1(21)



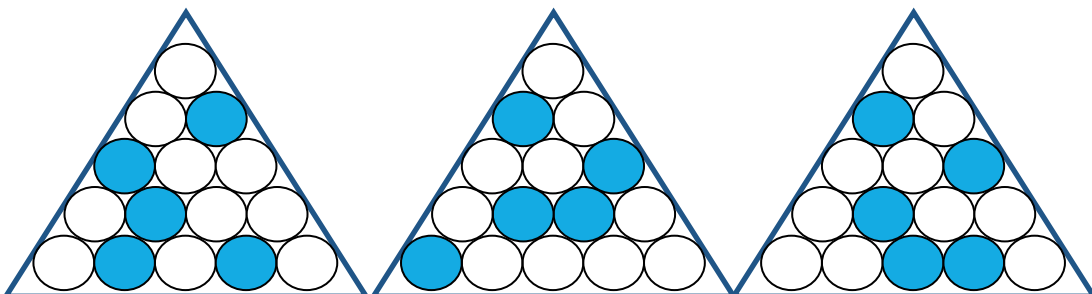
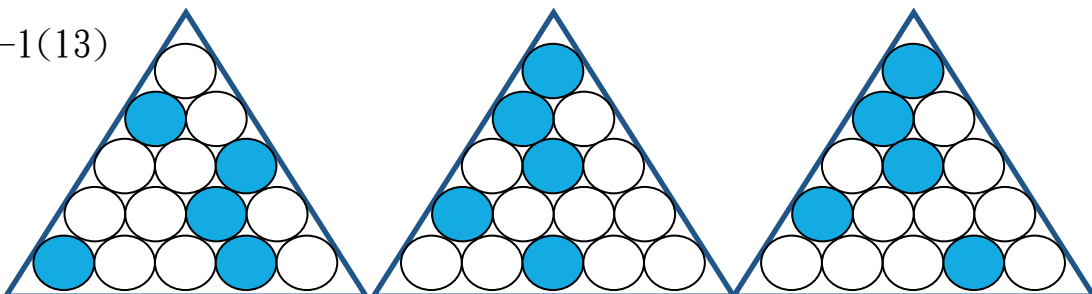


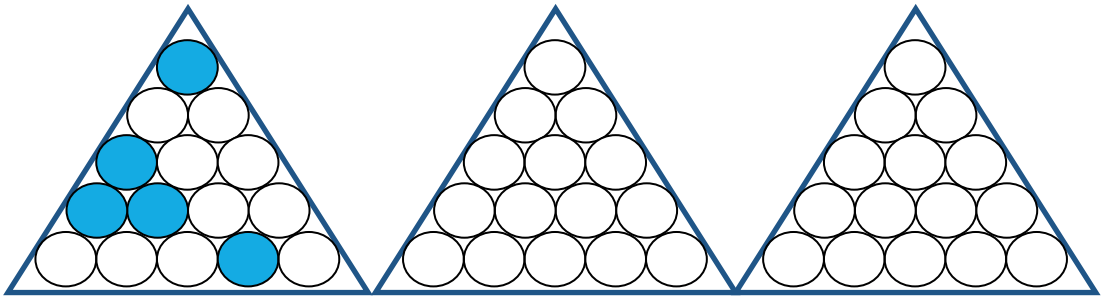
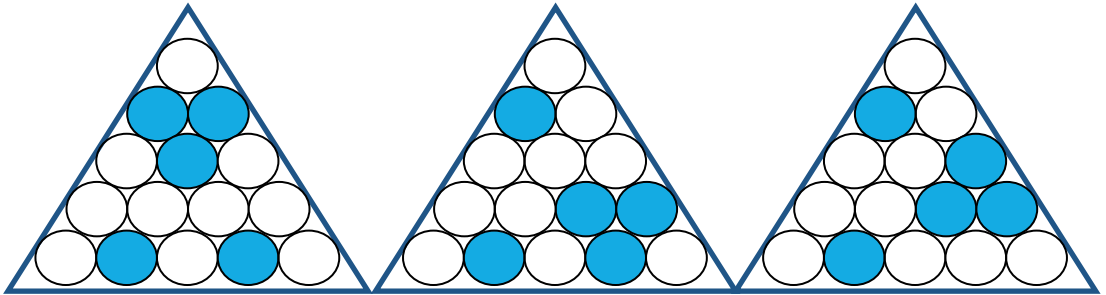
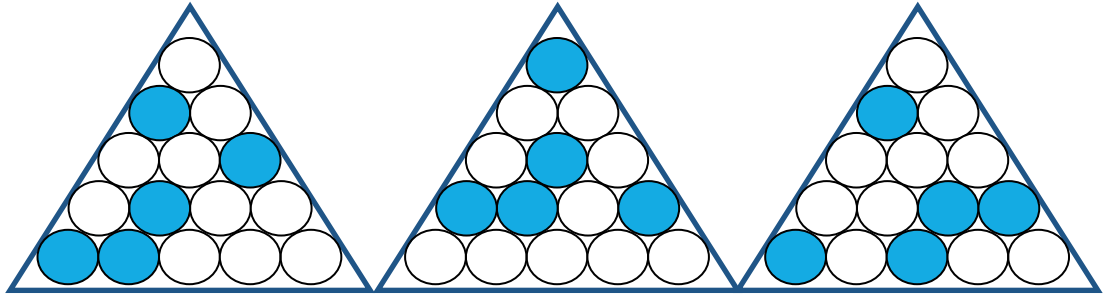
3-2(18)



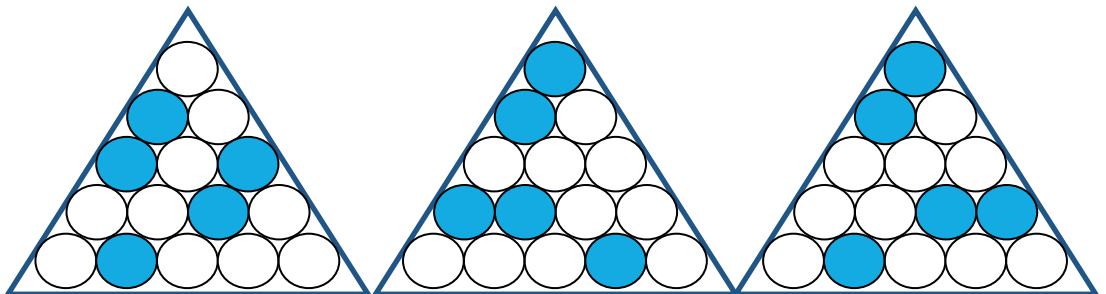
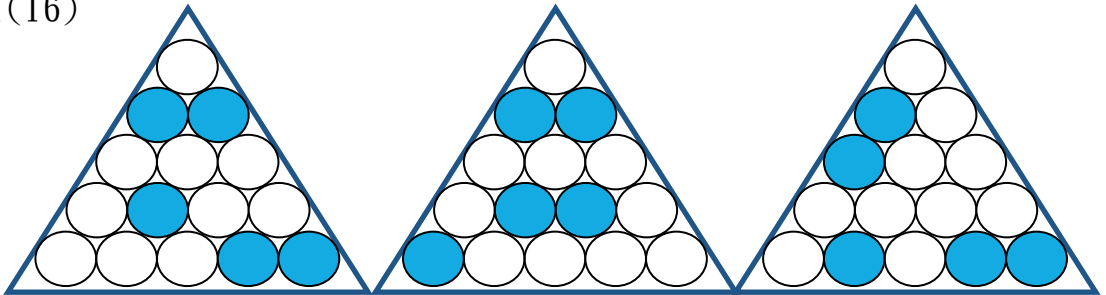


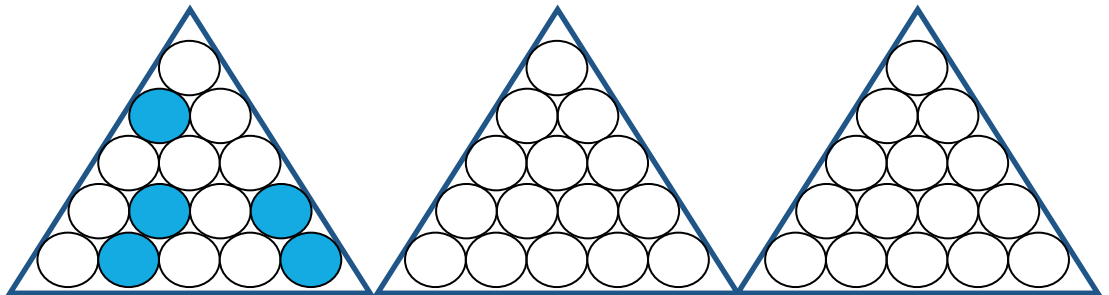
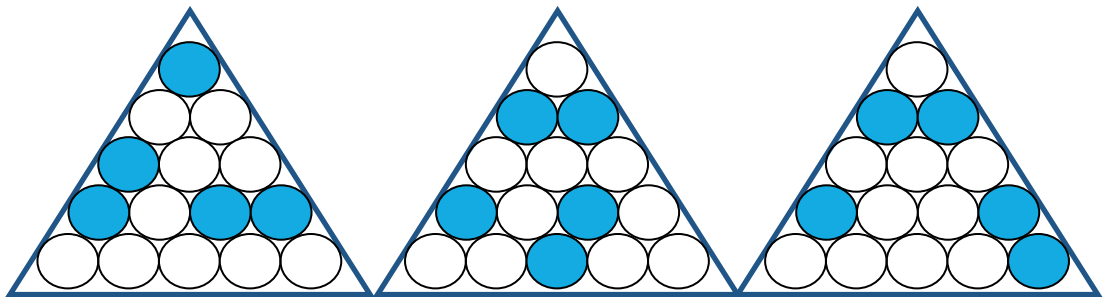
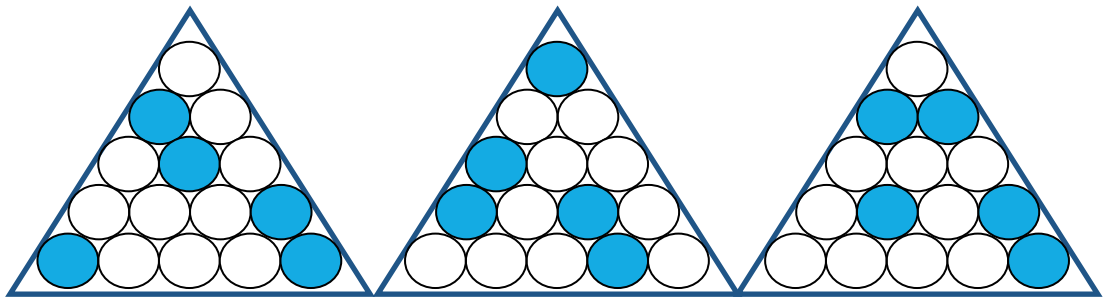
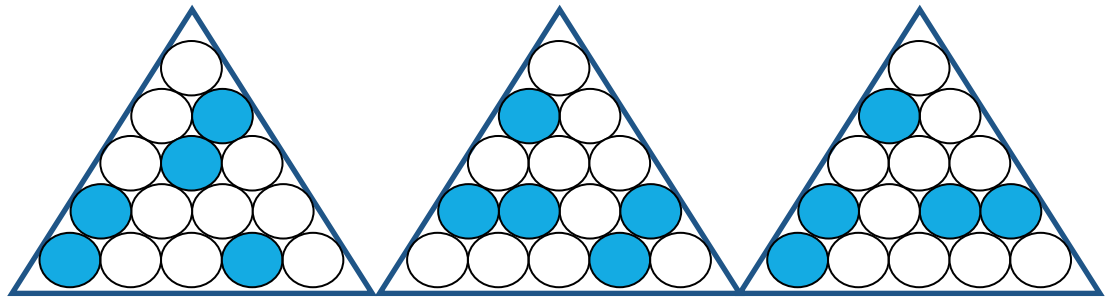
3-1-1(13)





2-2-1(16)





2-1-1-1(2)

