	0	1	2	3	4	5	6	7	8
Initial State	0								
Internal State	0	1	2	3	4	5	6	7	8
Day 1	0	0	0	0	0	0	1	0	1
Day 2	0	0	0	0	0	1	0	1	0
Day 3	0	0	0	0	1	0	1	0	0
Day 4	0	0	0	1	0	1	0	0	0
Day 5	0	0	1	0	1	0	0	0	0
Day 6	0	1	0	1	0	0	0	0	0
Day 7	1	0	1	0	0	0	0	0	0
Day 8	0	1	0	0	0	0	1	0	1
Day 9	1	0	0	0	0	1	0	1	0
Day 10	0	0	0	0	1	0	2	0	1
Day 11	0	0	0	1	0	2	0	1	0
Day 12	0	0	1	0	2	0	1	0	0
Day 13	0	1	0	2	0	1	0	0	0
Day 14	1	0	2	0	1	0	0	0	0
Day 15	0	2	0	1	0	0	1	0	1
Day 16	2	0	1	0	0	1	0	1	0
Day 17	0	1	0	0	1	0	3	0	2
Day 18	1	0	0	1	0	3	0	2	0

```
Day 1: 0 1 1 1 0 0 0 0 0
Day 2: 1 1 1 0 0 0 0 0 0
Day 3: 1 1 0 0 0 0 1 0 1
Day 4: 1 0 0 0 0 1 2 1 2
Day 5: 0 0 0 0 1 2 4 2 3
Day 6: 0 0 0 1 2 4 2 3 0
Day 7: 0 0 1 2 4 2 3 0 0
Day 8: 0 1 2 4 2 3 0 0 0
Day 9: 1 2 4 2 3 0 0 0 0
Day 10: 2 4 2 3 0 0 1 0 1
Total: 13
Process returned 0 (0x0)   execution time : 0.025 s
Press any key to continue.
```

```
2 3 4
Num fish 1: 3; 1, 2, 3,
Num fish 2: 3; 0, 1, 2,
Num fish 3: 4; 0, 1, 6, 8,
Num fish 4: 5; 0, 5, 6, 7, 8,
Num fish 5: 6; 4, 5, 6, 6, 7, 8,
Num fish 6: 6; 3, 4, 5, 5, 6, 7,
Num fish 7: 6; 2, 3, 4, 4, 5, 6,
Num fish 8: 6; 1, 2, 3, 3, 4, 5,
Num fish 9: 6; 0, 1, 2, 2, 3, 4,
Num fish 10: 7; 0, 1, 1, 2, 3, 6, 8,
Number of lantern fish after 10 days: 7
Process returned 0 (0x0)   execution time : 0.026 s
Press any key to continue.
```

```
0
Num fish 1: 2; 6, 8,
Num fish 2: 2; 5, 7,
Num fish 3: 2; 4, 6,
Num fish 4: 2; 3, 5,
Num fish 5: 2; 2, 4,
Num fish 6: 2; 1, 3,
Num fish 7: 2; 0, 2,
Num fish 8: 3; 1, 6, 8,
Num fish 9: 3; 0, 5, 7,
Num fish 10: 4; 4, 6, 6, 8,
Num fish 11: 4; 3, 5, 5, 7,
Num fish 12: 4; 2, 4, 4, 6,
Num fish 13: 4; 1, 3, 3, 5,
Num fish 14: 4; 0, 2, 2, 4,
Num fish 15: 5; 1, 1, 3, 6, 8,
Num fish 16: 5; 0, 0, 2, 5, 7,
Num fish 17: 7; 1, 4, 6, 6, 6, 8, 8,
Num fish 18: 7; 0, 3, 5, 5, 5, 7, 7,
Number of lantern fish after 18 days: 7
```