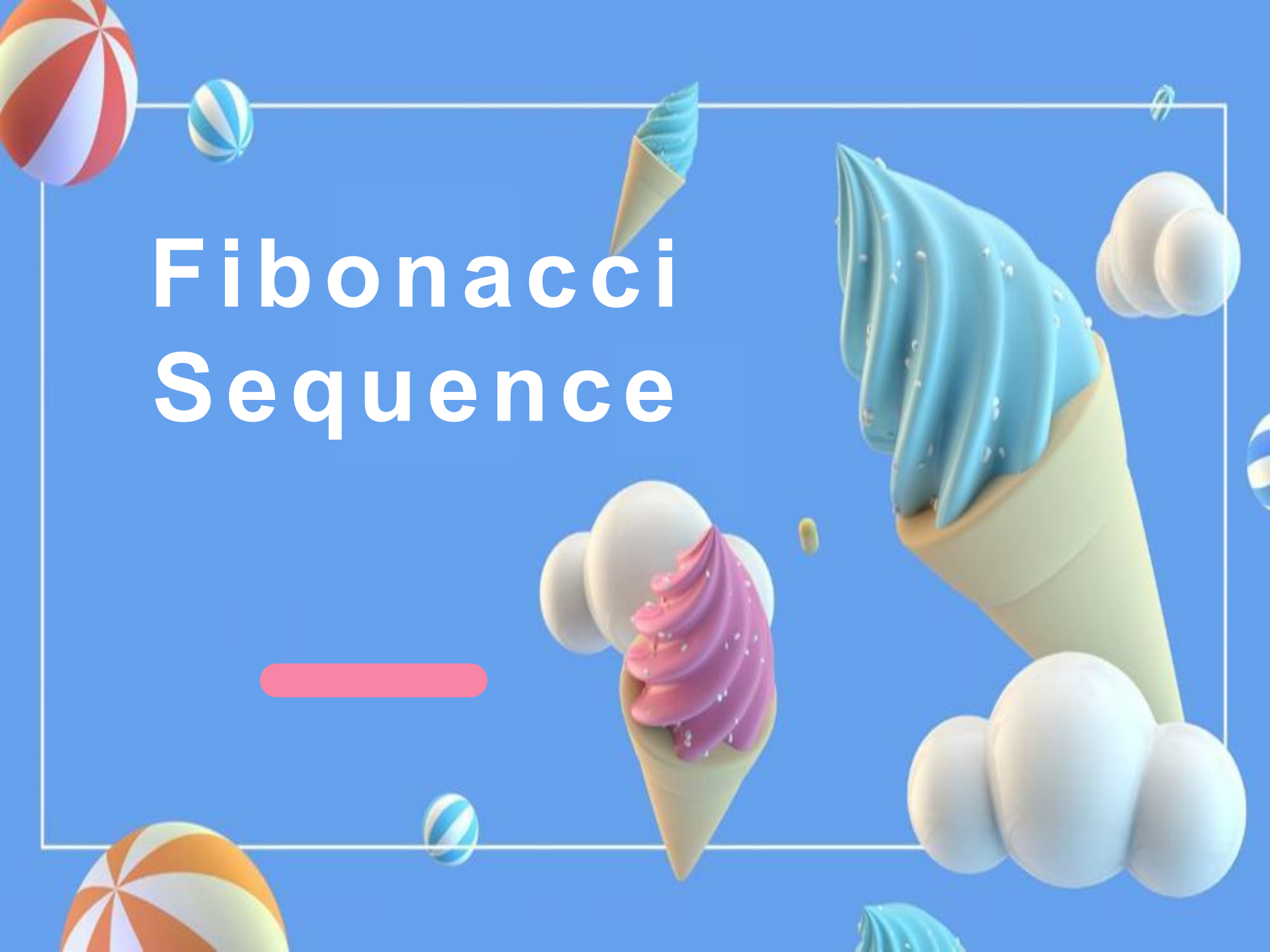
# Fibonacci Sequence



Fibonacci sequence（rabbit number）：0，1、1、2、3、5、8、13、21、34、……

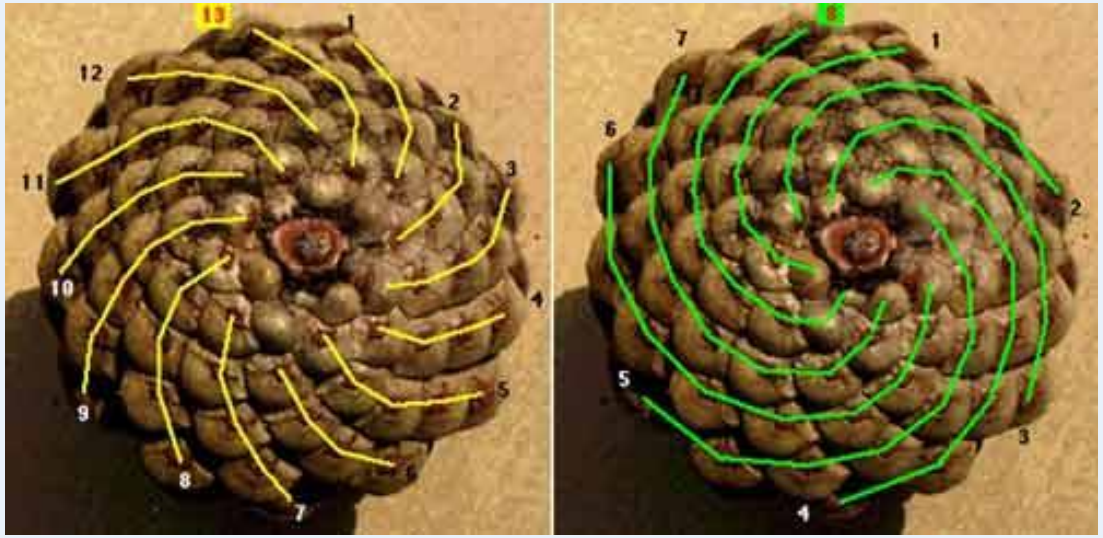
$F(0)=0,\ F(1)=1,\ F(2)=1,\ F(n)=F(n-1)+F(n-2)$（$n>2,\ n\in N^*$）

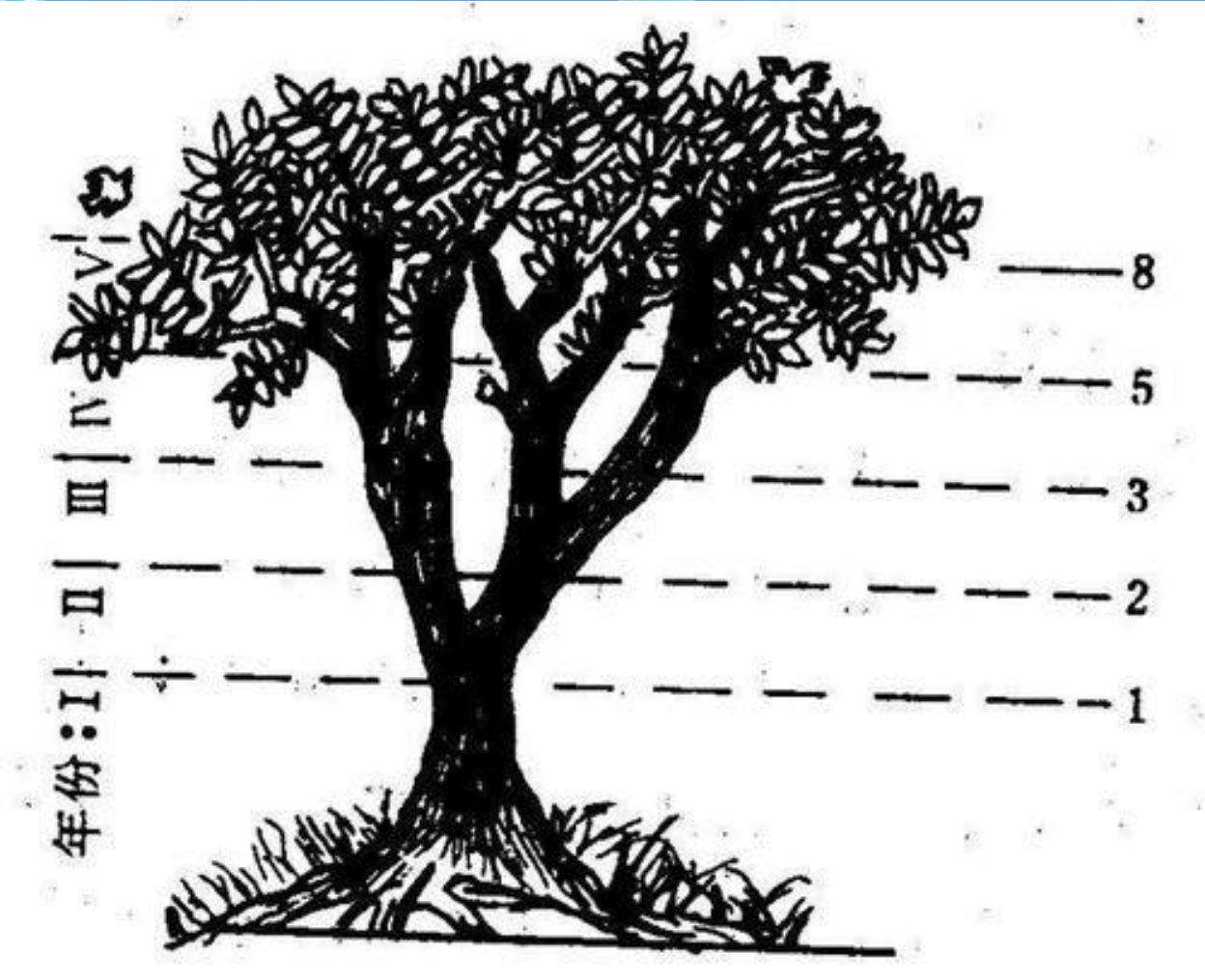
# How many rabbits one year later?

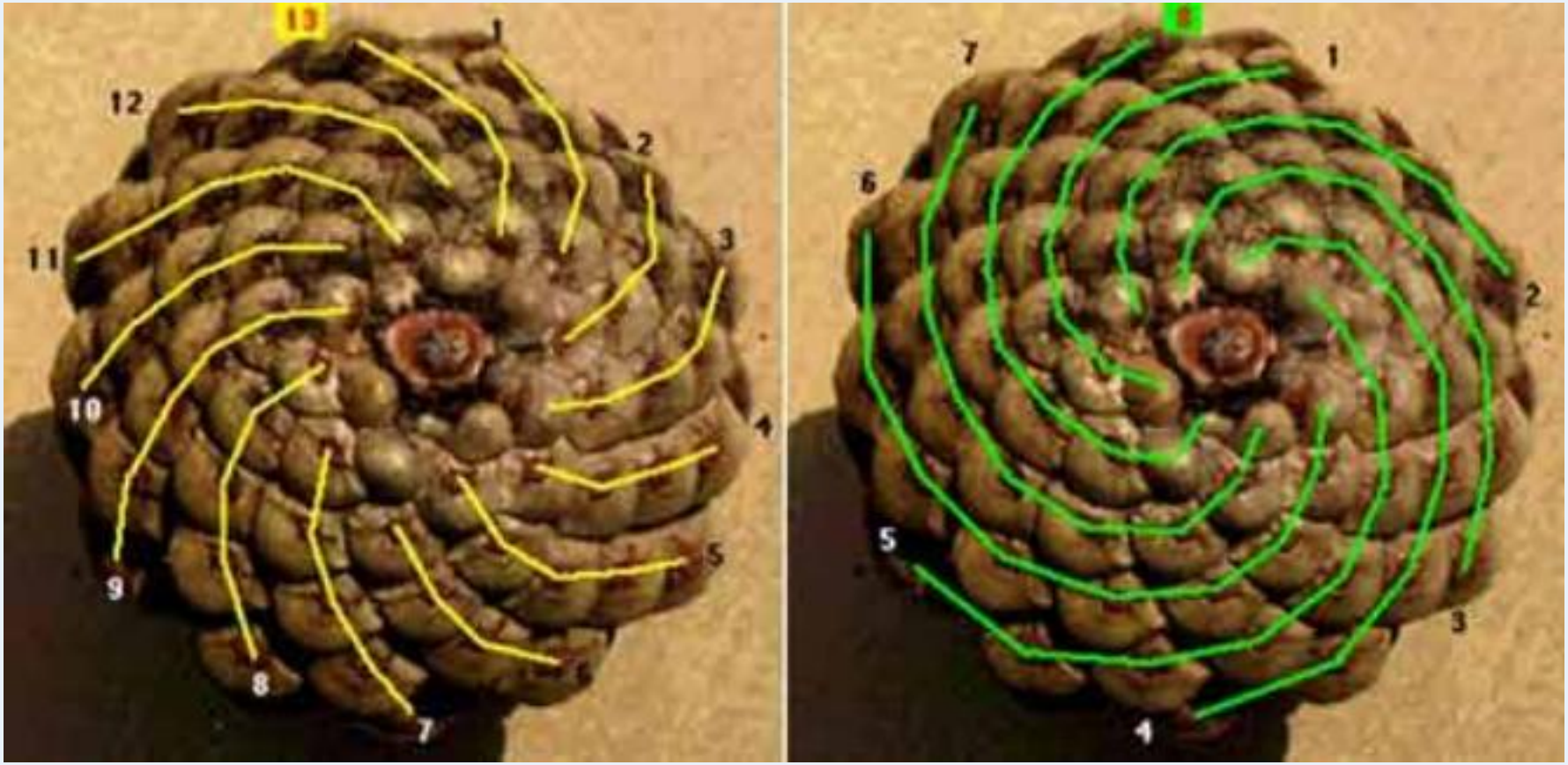
1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233 ,
377 , 610 , 987 , 1597 , 2584 , 4181 , 6765 ,
10946 , 17711 , 28657 , 46368.....

1÷1=1 , 1÷2=0.5 , 2÷3=0.666... , 3÷5=0.6 ,
5÷8=0.625..... ,
55÷89=0.617977.....144÷233=0.618025...4
6368÷75025=0.6180339886.....

# The numbers of most petals satisfie Fibonacci sequence


13
1
2
3
4
5
6
7
8
9
10
11
12
8
1
2
3
4
5
6
7

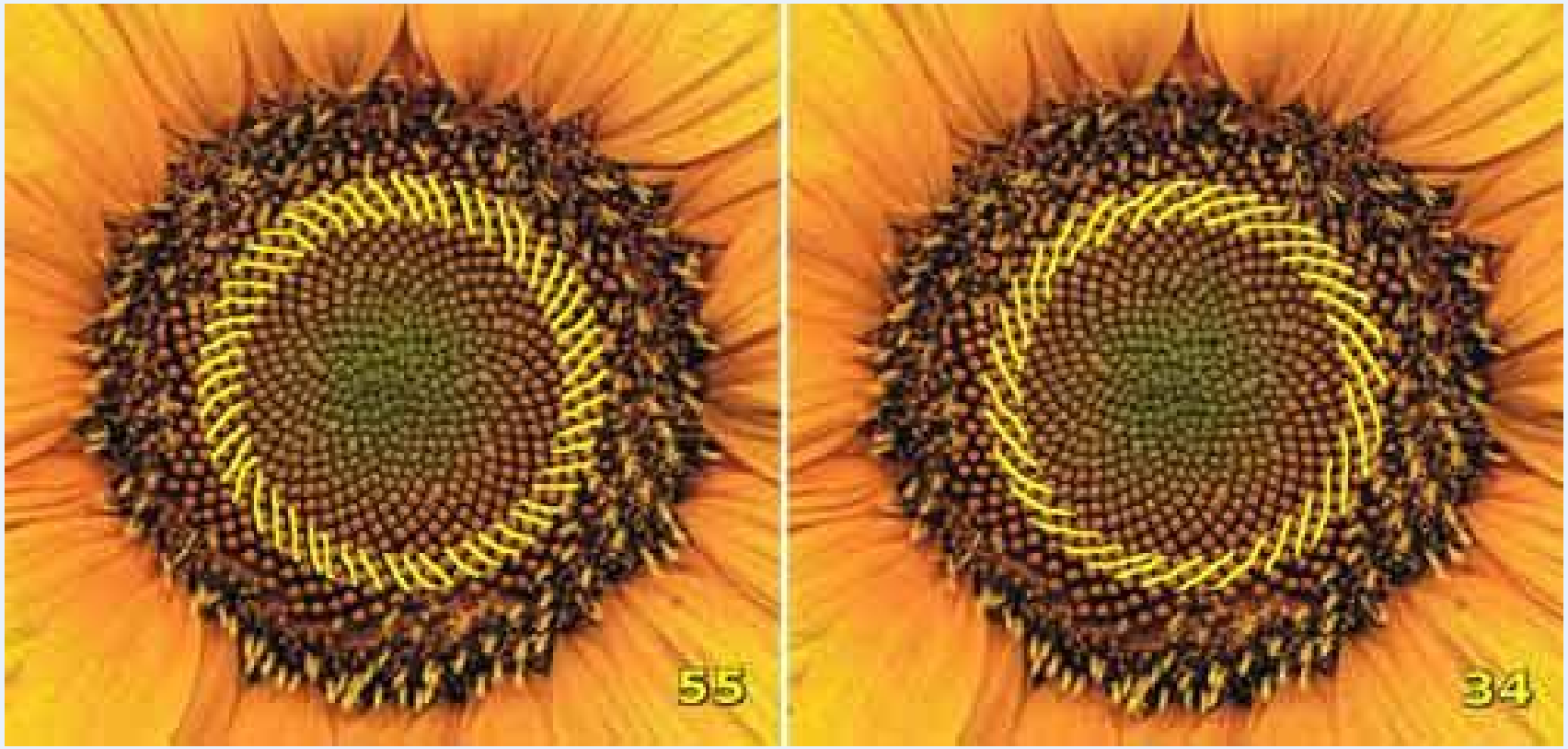

年份：I
II
III
IV
V
VI
8
5
3
2
1



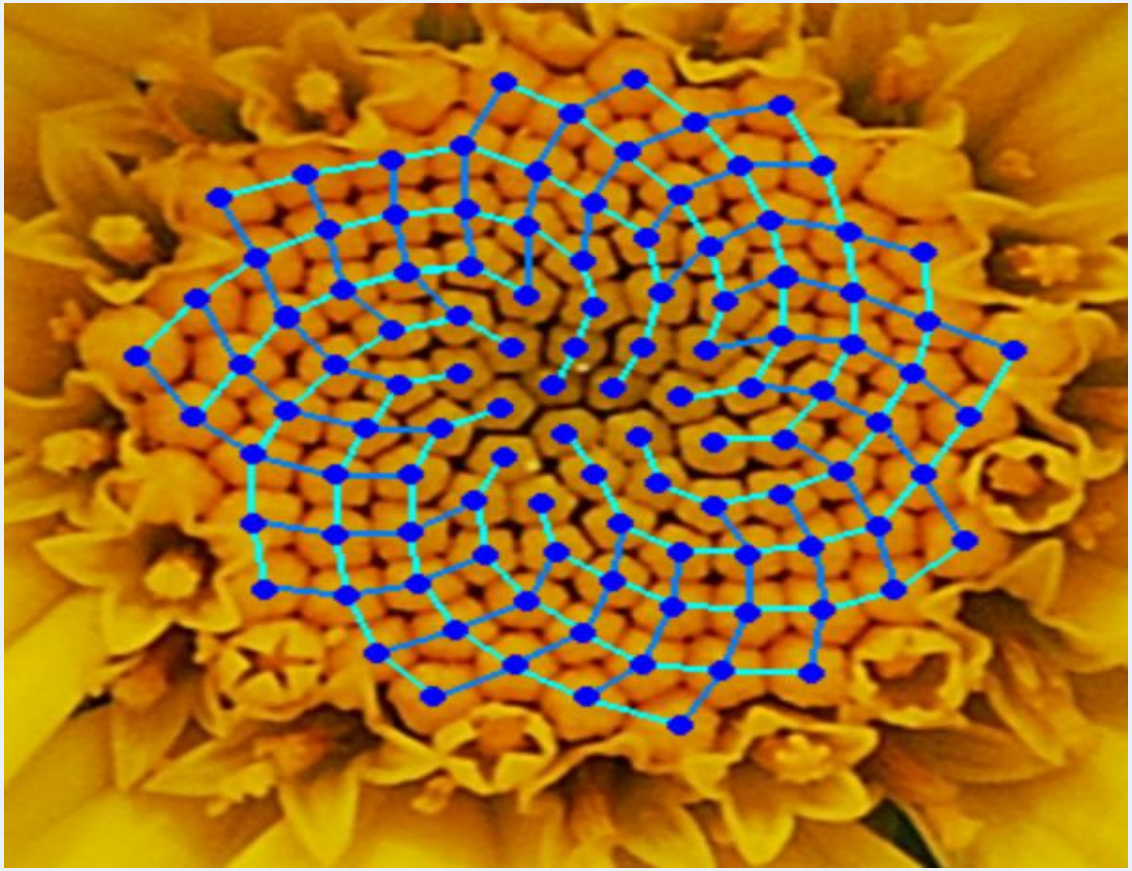

rotation






sunflower's rotation : left rotation 55 , right rotation 34



Chamomile's ( 洋甘菊 ) rotation : left rotation 13 , right rotation 21

We appreciate mathematics, we need mathematical knowledge.

----Shiing-Shen Chern