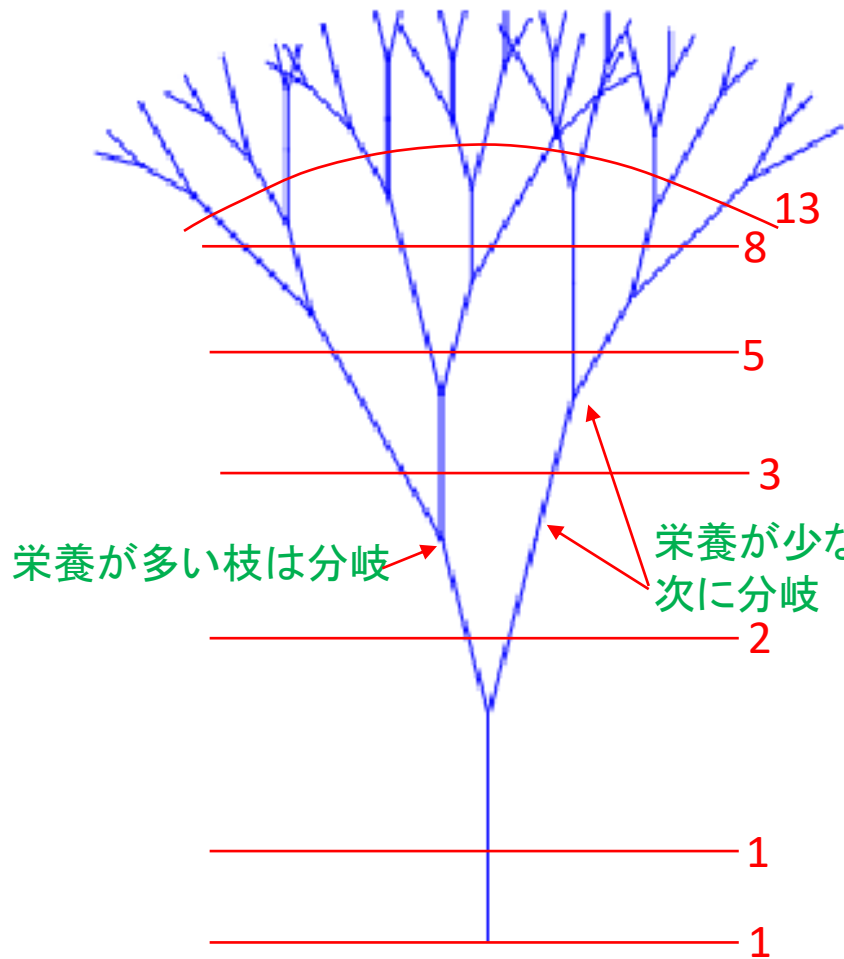




## フィボナッチ数列

1 2 3 5 8 13 21 34 .....

前の2つの数字の和が次の数字

```
Scratch Script:
when green flag clicked
  hide
  set angle to 15
  set steps to 70
  set branch count to 8
  set x to 0, y to -160
  turn 0 degrees
  clear
  draw
  set nutrition to 'あり'
  clone itself
```

```
Scratch Script:
when cloned
  if branch count > 0
    steps = steps + 1
    branch count = branch count - 1
    steps = steps * 0.8
    if nutrition == 'あり'
      ask left or right for nutrition? 1 is left 2 is right from 1 to 2 random
      if left or right for nutrition? 1 is left 2 is right == 1
        turn angle back
        nutrition = 'あり'
        clone itself
        turn angle * 2 back
        nutrition = 'なし'
        clone itself
      otherwise
        turn angle back
        nutrition = 'なし'
        clone itself
        turn angle * 2 back
        nutrition = 'あり'
        clone itself
    otherwise
      nutrition = 'あり'
      clone itself
```

