$$F(0) = 0$$
,  $F(1) = 1$ ,  $F(2) = 1 - - - F(9) = 34$   
 $F(N) = F(N-1) + F(N-2)$  ( $C(N) \ge 2$ )

$$F(A) = ?$$

$$F(N) \longrightarrow \text{input: N, return } (F(N-1) + F(N-2))$$

$$F(3)=2 \qquad F(2)$$

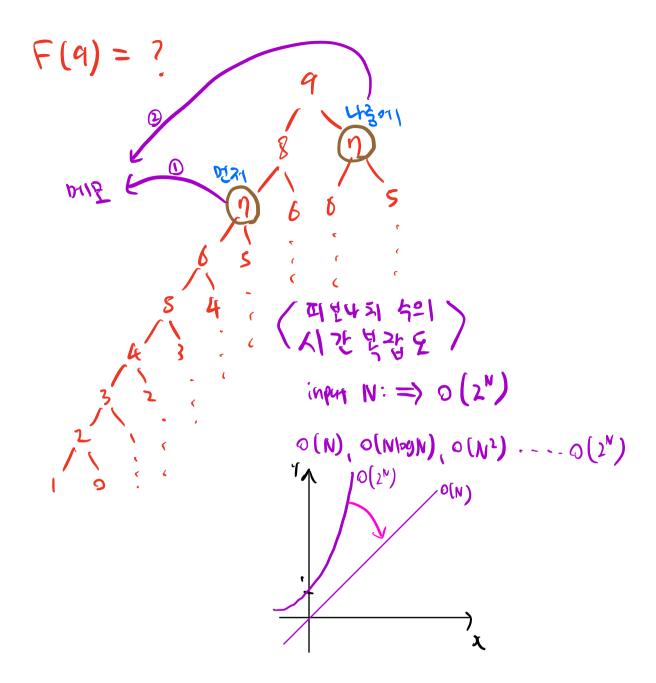
$$F(3)=2 \qquad F(3)$$

$$F(1) \qquad F(1) \qquad F(0)$$

$$F(1) \qquad F(0)$$

$$F(1) \qquad F(0)$$

$$F(1) \qquad F(1) \qquad F(1)$$



< 다이나의 프로그래밍 DP> bottom - UP VS top-down **A** 时子 A intex 0 1 2 3 4 5 6 7 8 9 गर्थाय ० । 112421 4 F(N) = F(N-1) + F(N-2) (N22) F(9) = ?부각은 값보이 메인는 진행 F(9) = memo[9]F(2) = F(1) + F(0) = 1 F(3) = F(2) + F(1) = 3F(4) = F(3) +F(2) = 5

$$F(9) = F(8) + F(9) = 55$$

## くれとはならり