

n = 5 olsun.

i = 1 için;

fibonaci(1) = 1;

i = 2 için;

$$\begin{array}{c} \text{fibonaci}(1) + \text{fibonaci}(0) \\ \downarrow \quad \quad \downarrow \\ 1 \quad + \quad 0 = 1 \end{array}$$

i = 3 için;

$$\begin{array}{c} \text{fibonaci}(2) \quad + \text{fibonaci}(1) \\ \downarrow \quad \quad \downarrow \\ \text{fibonaci}(1) + \text{fibonaci}(0) + 1 \\ \downarrow \quad \quad \downarrow \\ 1 \quad + \quad 0 \quad + \quad 1 = 2 \end{array}$$

i = 4 için;

$$\begin{array}{c} \text{fibonaci}(3) \quad + \quad \text{fibonaci}(2) \\ \downarrow \quad \quad \downarrow \\ (\text{fibonaci}(2) + \text{fibonaci}(1)) + (\text{fibonaci}(1) + \text{fibonaci}(0)) \\ \downarrow \quad \quad \downarrow \quad \quad \downarrow \quad \quad \downarrow \\ \text{fibonaci}(1) + \text{fibonaci}(0) + 1 + 1 + 0 \\ \downarrow \quad \quad \downarrow \\ 1 \quad + \quad 0 \quad + \quad 1 \quad + \quad 1 \quad + \quad 0 = 3 \end{array}$$

i = 5 için;

$$\begin{array}{c} \text{fibonaci}(4) \quad + \quad \text{fibonaci}(3) \\ \downarrow \quad \quad \downarrow \\ (\text{fibonaci}(3) + \text{fibonaci}(2)) + (\text{fibonaci}(2) + \text{fibonaci}(1)) \\ \downarrow \quad \quad \downarrow \quad \quad \downarrow \quad \quad \downarrow \\ (\text{fibonaci}(2) + \text{fibonaci}(1)) + (\text{fibonaci}(1) + \text{fibonaci}(0)) + (\text{fibonaci}(1) + \text{fibonaci}(0)) + 1 \\ \downarrow \quad \quad \downarrow \quad \quad \downarrow \quad \quad \downarrow \quad \quad \downarrow \quad \quad \downarrow \\ \text{fibonaci}(1) + \text{fibonaci}(0) + 1 + 1 + 0 + 1 + 0 + 1 \\ \downarrow \quad \quad \downarrow \\ 1 \quad + \quad 0 \quad + \quad 1 \quad + \quad 1 \quad + \quad 0 \quad + \quad 1 \quad + \quad 0 \quad + \quad 1 = 5 \end{array}$$

Sonuç: 1, 1, 2, 3, 5