Fibonacci Numbers

11 July 2023 22:16

$[F(n) = f(n-1) + f(n-2)] \rightarrow$

Base: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55 → 89

0th 1st

$1^{st} \rightarrow 1+0$ $4^{th} \rightarrow 2+1$ $6^{th} \rightarrow 5+3$

$3^{rd} \rightarrow 1+1$ $5^{th} \rightarrow 3+2$ $7^{th} \rightarrow 8+($

8^{th}

9^{th}

10^{th}

find 10^{th} Fibonacci number.

$F(10) = F(9) + F(8)$

$F(9) + F(7)$

$F(8) + F(7)$ $F(6) + F(6)$

$F(7) + F(6)$

$F(6) + F(5)$ $F(5) + F(4)$