



File Edit View Insert Cell Kernel Widgets Help Python [default] Code CellToolbar In [1]: n = 35In [2]: **def** f(n): **if** n <= 2: return 1 return f(n-1) + f(n-2)print(f(n)) 9227465 In [3]: n = 100In [4]: f = [1,1]for i in range(2,n): f.append(f[i-1]+f[i-2])print(f[n-1]) 354224848179261915075 In [5]: f = [1,1]for i in range(2,n): f[i%2] += f[(i+1)%2]print(f[(n-1)%2]) 354224848179261915075 In [6]: sqrt5 = 5**0.5 print(int(1/sqrt5*(((1+sqrt5)/2)**n-((1-sqrt5)/2)**n))) 354224848179263111168