

A. Draw flow charts of recursive functions

1.  $g(n)=n!$ ,  $g(0)=1$

2.  $f(n)=f(n-1)+f(n-2)$ ,  $f(0)=0, f(1)=1$

3.  $\text{Det}(A)$

B. Write matlab functions to implement flow charts in the previous problem.

C. Draw a flow chart to illustrate solving the Hanoi tower problem by recursive programming.

D. Write matlab codes to implement your flow chart in problem C.