//Main Pseudocode:

Data:

n, the number of discs the user wants to move

Plan:

//Get user input for n

scanf(“%d”, &n)

//Call the move discs function passing the value of n

MoveDiscs(n,’A’,’B’,’C’)

//Function Definition

Function Name: MoveDiscs

Input:

n, the number of discs

A, B, C, which are the three poles

Output:

none.

side effect: print the series of instructions need to move n discs from pole A to pole C using pole B when needed.

Plan:

//If (n == 1)

print the final step and end the recursive loop

//Otherwise move the top n-1 discs from pole A to pole B using pole C as temporary

move(n-1, A, B, C)

//Print the instruction to move disc n from pole A to pole C

//Move the n-1 discs from pole B to pole C using pole A if necessary

move(n-1, B, C, A)