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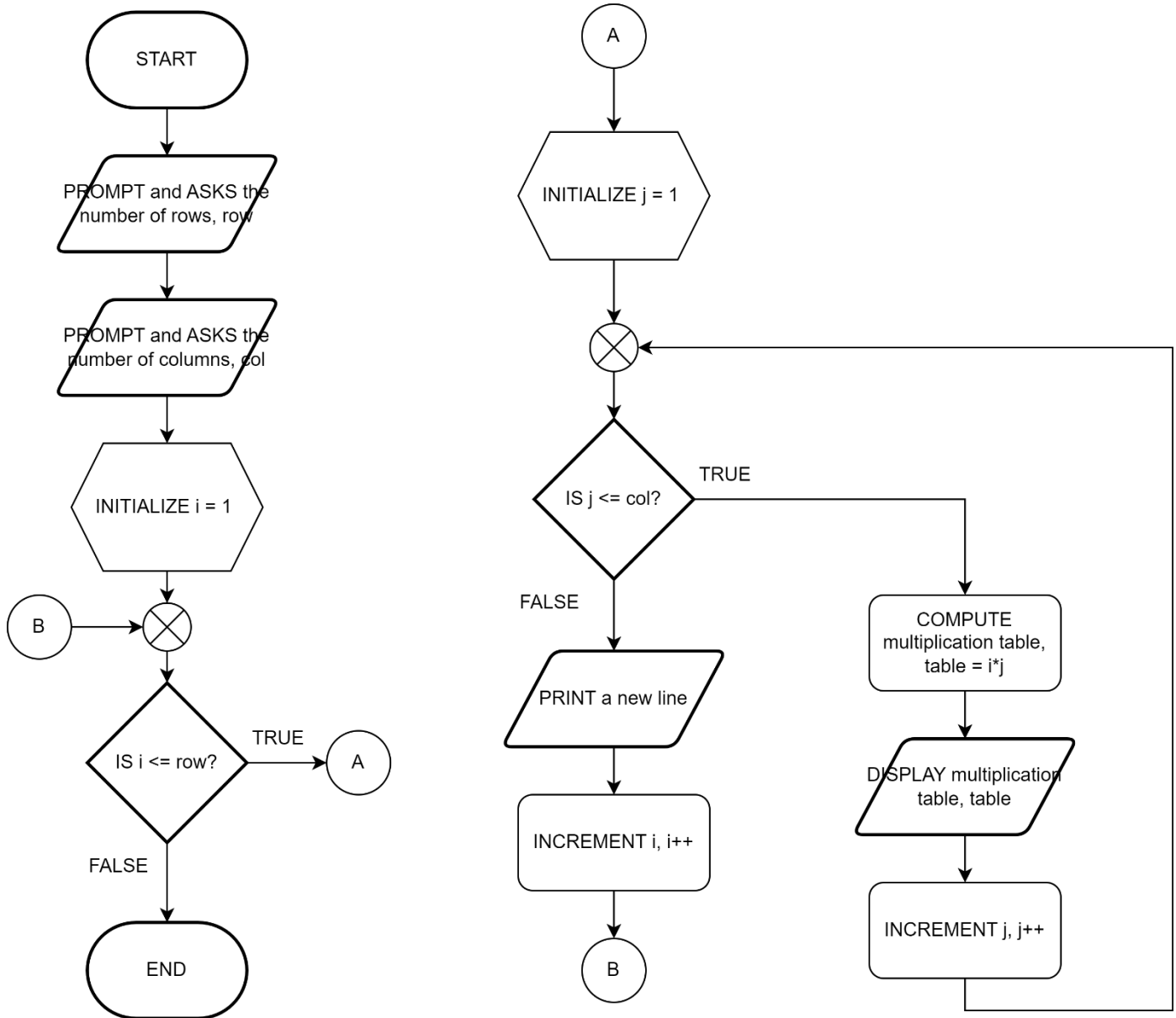
AlgoExercise 5.2

1. Multiplication Table.

A program that will ask the user to input the number of rows and columns the table should have and display the multiplication table on screen.

START

1. PROMPT and ASKS the user the number of rows, row
 2. PROMPT and ASKS the user for the number of columns, col
 3. FOR (i=1;i<=row;i++) DO
 - a. FOR (j=1;j<=col;j++) DO
 - i. COMPUTE for the multiplication table, table = i*j
 - ii. DISPLAY the product of the multiplication table, table
 - b. ENDFOR
 - c. PRINT new line
 4. ENDFOR
- END

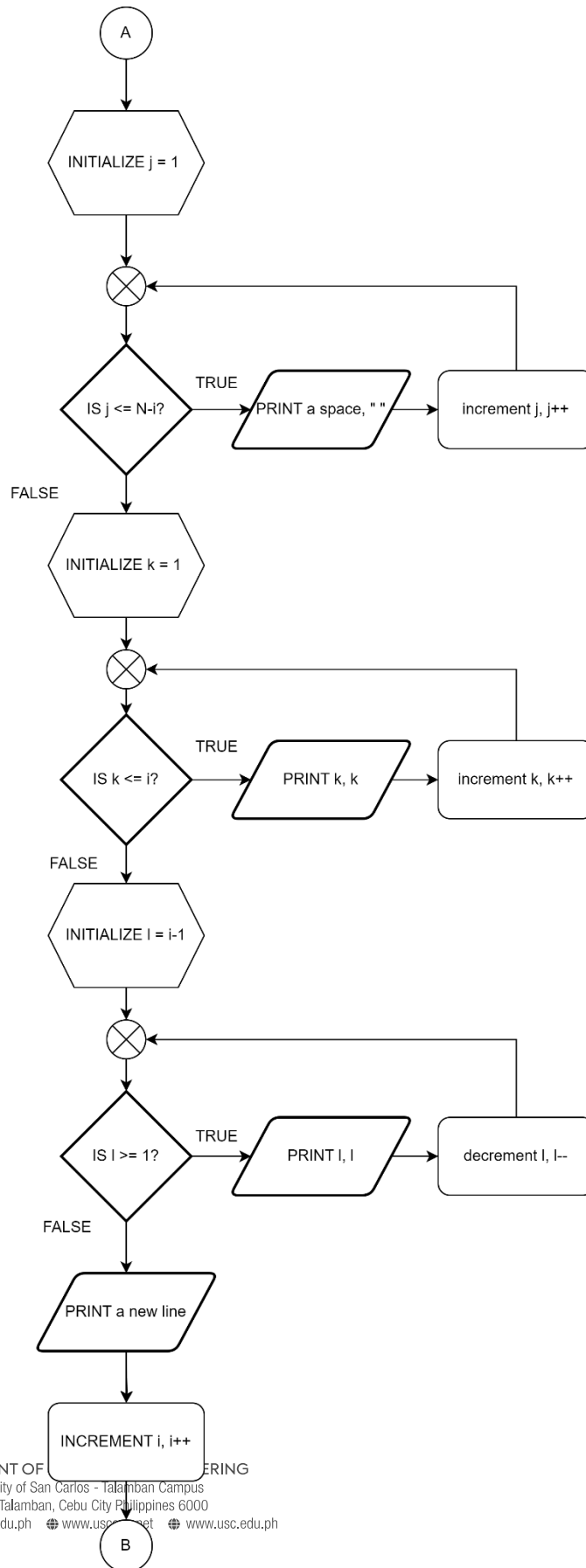
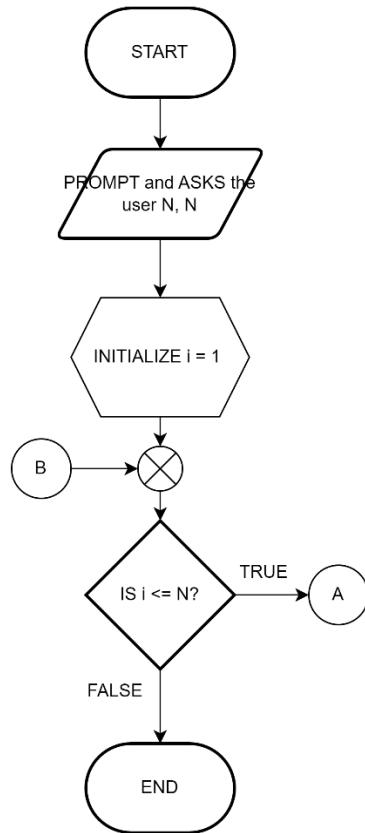




2. Pyramid.

Create program that would display numbers in a pyramid.

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START
1. PROMPT and ASKS the user the number of N, N
2. FOR (i=1;i<=N;i++) DO
  a. FOR (j=1;j<=N-i;j++) DO
    i. PRINT space
  b. ENDFOR
  c. FOR (k=1;k<=i;k++) DO
    i. PRINT k
  d. ENDFOR
  e. FOR (l=i-1;l>=1;l--) DO
    i. PRINT l
  f. ENDFOR
  g. PRINT new line
3. ENDFOR
END
```





3. Fibonacci Series. Create a program that will display the 1-N value of the Fibonacci sequence.

START

1. INITIALIZE fibonacci=1,x=0,y=1
 2. PROMPT and ASKS the user limit of the Fibonacci, number
 3. DISPLAY "Fibonacci sequence: "
 4. FOR (i=1;i<=number;i++) DO
 - a. DISPLAY the Fibonacci number, fibonacci
 - b. COMPUTE Fibonacci, Fibonacci = x + y
 - c. COMPUTE for x, x = y
 - d. COMPUTE for y, = fibonacci
 5. ENDFOR
- END

