Whic	ch structure is the following true for?
For _ litera	, arguments are substituted exactly as entered, without checking for memory, registers, or als.
0	Procedures
0	Both Macros and Procedures
0	Neither Macros Nor Procedures
•	Macros
Whic	ch structure is the following true for?
	have a calling mechanism involving the EIP.
0	Macros
0	Neither Macros Nor Procedures
0	Both Macros and Procedures
•	Procedures
Whic	ch structure is the following true for?
For _	, the entire code is substituted for each call.
0	Both Macros and Procedures
0	Procedures
•	Macros
0	Neither Macros Nor Procedures
code Whe proc	pose that a program's data and executable code require 1024 bytes of memory. A new section of must be added; it will be used with various values 84 times during the execution of a program. In implemented as a macro, the macro code requires 84 bytes of memory. When implemented as a edure, the procedure code requires 114 bytes (including parameter-passing, etc.), and each edure call requires 14 bytes.
How	many bytes of memory will the entire program require if the new code is added as a macro?

Suppose that a program's data and executable code require 1024 bytes of memory. A new section of code must be added; it will be used with various values 55 times during the execution of a program. When implemented as a macro, the macro code requires 69 bytes of memory. When implemented as a procedure, the procedure code requires 140 bytes (including parameter-passing, etc.), and each procedure call requires 14 bytes.

8080

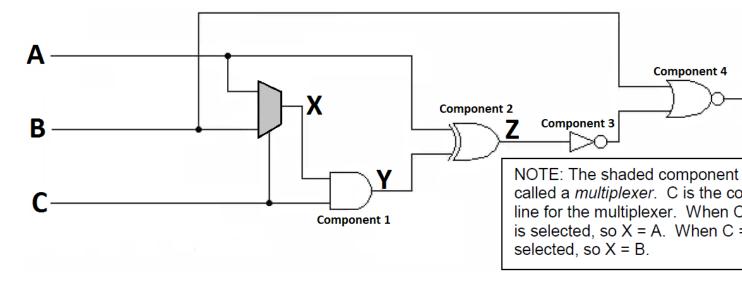
How many bytes of memory will the entire program require if the new code is added as a procedure?

1934

The code below uses the Space macro which simply displays the number of blank spaces specified by its argument. What is the first number printed to the screen after this code executes? (ignore the .0000 from Canvas)

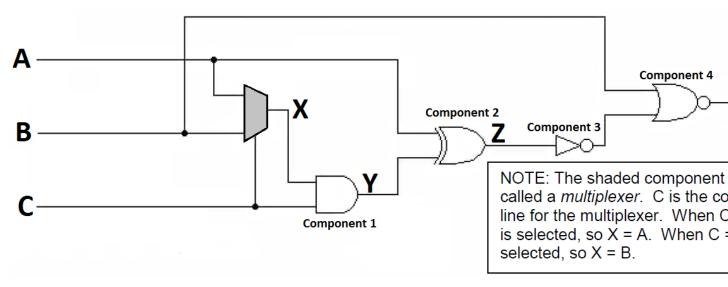
```
main PROC
  push 3
  push 8
   call rcrsn
   exit
main ENDP
rcrsn PROC
   push ebp
   mov ebp, esp
   mov eax, [ebp + 12]
   mov ebx,[ebp + 8]
   cmp eax, ebx
   jl recurse
   jmp quit
recurse:
   inc eax
   push eax
  push ebx
   call rcrsn
  mov eax, [ebp + 12]
   call WriteDec
   Space 2
quit:
  pop ebp
   ret 8
rcrsn ENDP
 7
```

Which of the digital logic symbols from the following diagram is a NOR gate?



- Component 1
- Component 3
- Component 4
- Component 2

Which of the digital logic symbols from the following diagram is a NOT gate?



- Component 1
- Component 4
- Component 3
- Component 2

Which structure is the following true for?

_____ are translated only once, and can be called many times.

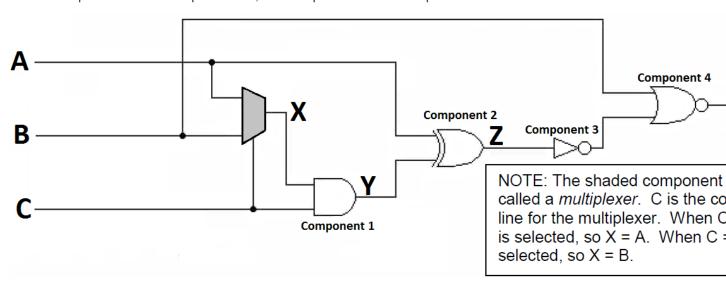
- Procedures
- Macros
- Both Macros and Procedures
- Neither Macros Nor Procedures

Which structure is the following true for?

_____ may have parameters.

- Both Macros and Procedures
- Neither Macros Nor Procedures
- Procedures
- Macros

In the diagram below, which device outputs a "0" if both of its input values are identical? i.e. If both inputs are "1" the output is a "0", if both inputs are "0" the output is still a "0".



- Component 4
- Component 2
- Component 1
- Component 3

Suppose that a program's data and executable code require 1024 bytes of memory. A new section of code must be added; it will be used with various values 56 times during the execution of a program. When implemented as a macro, the macro code requires 94 bytes of memory. When implemented as a procedure, the procedure code requires 104 bytes (including parameter-passing, etc.), and each procedure call requires 10 bytes.

How many bytes of memory will the entire program require if the new code is added as a macro?

1759

Suppose that a program's data and executable code require 1024 bytes of memory. A new section of code must be added; it will be used with various values 48 times during the execution of a program. When implemented as a macro, the macro code requires 79 bytes of memory. When implemented as a procedure, the procedure code requires 159 bytes (including parameter-passing, etc.), and each procedure call requires 12 bytes.

How many bytes of memory will the <u>entire program</u> require if the new code is added as a <u>procedure</u>?

6288