AOZ Studio Beta - Bug #411

AOZ sometimes scrambles code order.

07/13/2020 04:55 AM - Brian Flanagan

Status:	New	**Start date:**	07/13/2020
Priority:	Low	**Due date:**	
Assignee:	AOZ Studio Team	**% Done:**	0%
Category:		**Estimated time:**	4:00 hours
Target version:			
Affected version:	0.9.9.3		

Description

Example: Given the following code:

```
End

  //--------------------------|
 // Initialize Apple 2 Emulator |
//--------------------------|
A2M_Init:
Print "Loading ROM!!!"
    Gosub Load_ROM            ' Load ROM image from file.
Print "Loading Memory"
    Gosub Load_Memory      ' Eventually, will load RAM image from file.  Right now, just allocate
s the memory.
Print "Relocating ROM<<<"
    Gosub Relocate_ROM      ' later on won't want to do this, since extended memory 16K memory car
d will be bank-switched
                           ' with ROM.  We'll want to re-code for this eventuality.
Print "Resetting registers."
    Gosub Reset_Registers   ' Initialize 6502 registers
Print "Setting Reset Vector"
    PC = $FA62             ' Reset Vector address.
Return
```

The following instruction is executed:
Gosub A2M_Init
The result is very weird:

```
Relocating ROM<<<
Loading ROM!!!
Resetting Registers.
$E8D4A51000
```

What we *should* see:
Loading ROM!!!
Load_ROM:

```
(...because there was an End in Load_ROM)
Even if we ignore this, we should then see the following:
```

Loading Memory
Relocating ROM<<<
Resetting Registers.
Setting Reset Vector

```
...but they're all scrambled.
First of all, the code inside Load_ROM is being ignored.
It's also apparent that the statements are being executed out of order... seemingly at random.
I put the symbols <<< and !!! at the end of the statements to ensure that was the actual code bein
g called.
The last item (a hexidecimal number) isn't even in this block of code!!!
```

History

#1 - 09/19/2020 01:42 PM - Brian Flanagan

- Assignee set to AOZ Studio Team

- Priority changed from Normal to Low

- Estimated time set to 4:00 h

Did partial test in Beta RC2. Unable to duplicate error at this time. Need to find original source that produced this error. Reset to Low priority until it can be verified. (Perhaps it was already fixed?)