v1.0

# 736-NetLinx Runtime Error Assign Stack Ref Error - Out of Range

9-Oct-20

**Symptoms**

Code compiles fine, but when you run it you get the error:

**Assign Stack Ref Error - Out of range**

You may also see other errors like:

**CHeap::Delete - ERROR(2) Attempting to delete invalid block 00AE6024 (Task=tInterpreter)**

**DoNumberExpression - Error 2 Tk=0x2008**

**GetNumber - Error 1 Tk=0x0000**

**Cause**

Having a SWITCH/CASE statement inside a WAIT:

**DEFINE_VARIABLE**

**X**

**DEFINE_CALL 'Switch Case In A Wait' (X)**

**{**

**WAIT 20**

**{**

**X++**

**IF (X > 2)**

**X = 0**

**SWITCH (X)**

**{**

**CASE 2:**

**SEND_STRING 0,FORMAT('SWITCH 2, X = %d',X)**

**CASE 1:**

**SEND_STRING 0,FORMAT('SWITCH 1, X = %d',X)**

```
DEFAULT:

SEND_STRING 0,'DEFAULT'

}

}

}

DEFINE_PROGRAM

CALL 'Switch Case In A Wait' (X)

// end
```

**Resolution**

Modify the code so it uses a SELECT/ACTIVE statement instead:

```
DEFINE_VARIABLE

X

DEFINE_CALL 'Select Active In A Wait' (X)

{

WAIT 20

{

X++

IF (X > 2)

X = 0

SELECT

{

ACTIVE (X = 2):

SEND_STRING 0,FORMAT('SWITCH 2, X = %d',X)

ACTIVE (X = 1):

SEND_STRING 0,FORMAT('SWITCH 1, X = %d',X)

ACTIVE (1):

SEND_STRING 0,'DEFAULT'

}

}

}
```

**DEFINE_PROGRAM**

**CALL 'Select Active In A Wait' (X)**

// end