

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

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

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