

## AOZ Studio Beta - Bug #782

### Bsave transpiles improperly. (%end is improperly embedded)

06/13/2021 11:58 PM - Brian Flanagan

<b>Status:</b>	Rejected	<b>Start date:</b>	06/13/2021
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Baptiste Bideaux	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	none		
<b>Affected version:</b>	1.0.0 (B10) u16		
<b>Description</b>			
For example:			
<pre>// Enter your magic spell here! Reserve As Data 15,50000 Print "Reserved 15" Print Length(15) ' Length works by itself. ' ...but not in an expression on bSave: Bsave "Bank15.bin", Start (15), Start (15)+Length(15)-1 Print "Done!" End</pre>			
The resulting improper traspiration of the Bsave is:			
<pre>// Bsave "Bank15.bin", Start (15), Start (15)+Length(15)-1 aoz.sourcePos="0:5:0"; return{type:12,waitThis:aoz.moduleFilesystem,callFunction:"bSave",waitFunction:"load_wait" ,args:["Bank15.bin",aoz.banks.getStart(15),aoz.banks.getStart(15)+%end]};</pre>			
The %end should not be there.			

## History

### #1 - 06/14/2021 12:05 AM - Brian Flanagan

- Subject changed from *Length(n) transpiles improperly when inside an expression. (%end is embedded instead) to Bsave transpiles improperly. (%end is improperly embedded)*

Well... not exactly, it is the BSave command itself which is not transpiling properly. Even if I set Length(15) to the variable L, it fails the same way. (I've changed the topic accordingly.)

Example:

```
L=Length(15)
Bsave "Bank15.bin", Start (15), Start (15)+L-1
```

Result:

```
// Bsave "Bank15.bin", Start (15), Start (15)+Length(15)-1
aoz.sourcePos="0:5:0";
return{type:12,waitThis:aoz.moduleFilesystem,callFunction:"bSave",waitFunction:"load_wait",args:["Bank
15.bin",aoz.banks.getStart(15),aoz.banks.getStart(15)+%end]};
```

(The 3rd item in args is set improperly on Base.)

### #2 - 06/14/2021 11:03 AM - Brian Flanagan

- Assignee set to *Baptiste Bideaux*

### #3 - 06/26/2021 09:37 PM - David Baldwin

- Status changed from *New to Resolved*

Fixed by Francois, wrong variable in instruction definition.

**#4 - 07/15/2021 10:30 AM - Brian Flanagan**

- Status changed from Resolved to Feedback

Transpiles now, however, Bsave still fails.  
(Tested in 1.0.0 (B8) u15 on 7/15/2021)

**#5 - 09/18/2021 02:21 AM - Brian Flanagan**

- Affected version changed from 1.0.0 (B8) to 1.0.0 (B10) u16

Re-tested in 1.0.0 (B10) u16 (9/17)  
Still fails.

**#6 - 09/21/2021 08:57 AM - Francois Lionet**

- Status changed from Feedback to Rejected

Not a bug! Instructions that in the original AMOS had a "To" to indicate the end now have a second syntax, WITHOUT the "To".  
BSave PATH\$, START To END // END is an ADDRESS. You should add the start of the bank if you use this syntax.  
BSave PATH\$, START, LENGTH // LENGTH is the number of bytes to save.

Your example should be either:

BSave PATH\$, Start( BANK ) To Start( BANK ) + Length( BANK )

or

BSave PATH\$, Start( BANK ), Length( BANK )

Nothing much I can do to auto detect the mistake... but the doc should be amended.

**#7 - 09/22/2021 12:35 AM - Brian Flanagan**

In performing the test, I was following the syntax shown in the F5 help.

According to the F5 help, the syntax is: **BSave path\$,start,end**, however, the example shown there uses the original syntax (as it should) of BSave path\$,Start To End, soooo... apparently the F5 help just needs to be corrected.

I should've just used the AMOS Pro Manual (as I usually do), but then I wouldn't have found that error. ;-)