

A2 - Bug #107

Methods of POINTER TO RECORD with CONST receiver still allowed to change receiver's fields

02 January 2021 16:45 - Anton Dmitriev

Status: New	
Priority: Normal	
Assignee:	
Category:	
Target version:	
Description	
<p>I was told (but have not confirmed) that receiver fields should be read-only with the following declarations, but they are not:</p>	
<pre>MODULE M; TYPE Reader = POINTER TO RECORD r: Files.Reader; eof: BOOLEAN END; PROCEDURE (r: Reader) ReadByte (VAR b: UNSIGNED8); (* receiver is CONST by default, right? *) VAR ch: CHAR; BEGIN r.r.Char(ch); r.eof := r.r.res # Streams.Ok; IF ~r.eof THEN b := SYSTEM.VAL END END ReadByte; END M.</pre>	
<p>Compiles without errors. Should it?</p>	