

Ruby - Bug #20343

Ripper.sexp in Ruby 3.4 returns nil

03/17/2024 06:13 PM - koic (Koichi ITO)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 3.4.0dev (2024-03-17T10:09:37Z master 5fd6b461c7) [x86_64-darwin23]	Backport: 3.0: UNKNOWN, 3.1: UNKNOWN, 3.2: UNKNOWN, 3.3: UNKNOWN

Description

In Ruby 3.4.0's Ripper, there is the following incompatible behavior:

Expected (Ruby 3.3)

It is expected that tokens will be returned.

```
$ ruby -rripper -ve "p Ripper.sexp('foo[bar, &baz] += 1')"  
ruby 3.3.0 (2023-12-25 revision 5124f9ac75) [x86_64-darwin22]  
[:program, [[:opassign, [:aref_field, [:vcall, [:@ident, "foo", [1, 0]]], [:args_add_block, [[:vcall, [:@ident, "bar", [1, 4]]], [:vcall, [:@ident, "baz", [1, 10]]]]], [:@op, "+=", [1, 15]], [:@int, "1", [1, 18]]]]]
```

```
$ ruby -rripper -ve "p Ripper.sexp_raw('foo[bar, &baz] += 1')"  
ruby 3.3.0 (2023-12-25 revision 5124f9ac75) [x86_64-darwin22]  
[:program, [:stmts_add, [:stmts_new], [:opassign, [:aref_field, [:vcall, [:@ident, "foo", [1, 0]]], [:args_add_block, [:args_add, [:args_new], [:vcall, [:@ident, "bar", [1, 4]]], [:vcall, [:@ident, "baz", [1, 10]]]]], [:@op, "+=", [1, 15]], [:@int, "1", [1, 18]]]]]
```

Actual (Ruby 3.4)

nil is returned.

```
$ ruby -rripper -ve "p Ripper.sexp('foo[bar, &baz] += 1')"  
ruby 3.4.0dev (2024-03-17T10:09:37Z master 5fd6b461c7) [x86_64-darwin23]  
nil
```

```
$ ruby -rripper -ve "p Ripper.sexp_raw('foo[bar, &baz] += 1')"  
ruby 3.4.0dev (2024-03-17T10:09:37Z master 5fd6b461c7) [x86_64-darwin23]  
nil
```

The same applies to the following cases.

```
foo[bar, &baz] += 1  
foo[bar, &baz] ||= 1  
foo[bar, &baz] &&= 1  
foo.foo[bar, &baz] += 1  
foo.foo[bar, &baz] ||= 1  
foo.foo[bar, &baz] &&= 1
```

This was discovered in a failure of Prism's CI:
<https://github.com/ruby/prism/actions/runs/8317131929/job/22757514162?pr=2607>

History

#1 - 03/17/2024 06:32 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Closed

This is expected as that syntax was removed. See [#19918](#)