

## CoCoA-5 - Slug #1275

### incr and decr are slow

29 Apr 2019 17:53 - John Abbott

|   |                     |                        |                    |
|---|---------------------|------------------------|--------------------|
| <b>Status:</b>  | New                 | <b>Start date:</b>     | 29 Apr 2019        |
| <b>Priority:</b>  | Low                 | <b>Due date:</b>       |                    |
| <b>Assignee:</b>  |                     | <b>% Done:</b>         | 0%                 |
| <b>Category:</b>  | enhancing/improving | <b>Estimated time:</b> | 0.00 hour          |
| <b>Target version:</b>  | CoCoA-5.?.?         | <b>Spent time:</b>     | 0.00 hour          |
| <b>Description</b>  |                     |                        |                    |
| The CoCoA-5 functions incr and decr are disappointingly slow.   |                     |                        |                    |
| <pre>&gt;&gt;&gt; t0:=CpuTime();A:=0; for i:=1 to 1000000 do incr(ref A); endfor; TimeFrom(t0); 3.582 &gt;&gt;&gt; t0:=CpuTime();A:=0; for i:=1 to 1000000 do A := A+1; endfor; TimeFrom(t0); 0.747</pre> |                     |                        |                    |
| A completely empty loop takes about 0.1s  |                     |                        |                    |
| <b>Related issues:</b>  |                     |                        |                    |
| Related to CoCoA-5 - Feature #518: incr/decr functions: to be used in packages  |                     | <b>Closed</b>          | <b>03 Apr 2014</b> |
| Related to CoCoA-5 - Design #364: Incr command/function   |                     | <b>Closed</b>          | <b>03 Jun 2013</b> |

### History

#### #1 - 29 Apr 2019 17:53 - John Abbott

- Related to Feature #518: incr/decr functions: to be used in packages added

#### #2 - 29 Apr 2019 17:53 - John Abbott

- Related to Design #364: Incr command/function added