

## QGIS Application - Feature request #19943

### Extend algorithm only extends, but does not shorten lines

2018-09-25 05:02 PM - Carlos Cámara

<b>Status:</b> Rejected	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Processing/Core	
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> wontfix
<b>Easy fix?:</b> No	<b>Copied to github as #:</b> 27765
<b>Description</b>	
<p>Currently, there is an algorithm called Extend lines (visit documentation: <a href="https://docs.qgis.org/testing/en/docs/user_manual/processing_algs/qgis/vectorgeometry.html#extend-lines">https://docs.qgis.org/testing/en/docs/user_manual/processing_algs/qgis/vectorgeometry.html#extend-lines</a>) which work great for extending lines, but I haven't been able to use it for reducing a line's length.</p> <p>Example:</p> <p>Provided a line with length=5m If I use the following values: start distance = 2, end distance = 2, I get a new line with length=9 (5+2+2). Ok. If, on the contrary, I use negative values (start distance = -2, end distance = -2), I do not get a new line with length=1 (5-2-2) as expected, but I get a line with the same length as the original one.</p>	

#### History

##### #1 - 2018-09-25 05:44 PM - Harrissou Santanna

This is more a feature request than a bug report I think. I'm not sure that the Extend algorithm is supposed to shorten the lines (at least, I did not read such expectations in the linked documentation).

##### #2 - 2018-09-25 05:45 PM - Harrissou Santanna

- Status changed from Open to Feedback

##### #3 - 2018-09-25 06:05 PM - Giovanni Manghi

- Tracker changed from Bug report to Feature request

##### #4 - 2018-09-25 08:33 PM - Nyal Dawson

- Status changed from Feedback to Rejected

- Resolution set to wontfix

There is a separate algorithm for shrinking lines - "line substrings".

##### #5 - 2018-09-25 09:59 PM - Harrissou Santanna

I had looked for it but obviously with wrong tags, hence <https://github.com/qgis/QGIS/pull/8025>

##### #6 - 2018-09-25 11:22 PM - Carlos Cámara

I am using 3.2.3 and I can't find such line substring algorithm. I haven't found any reference on documentation, neither.

Since I have not used it, I am not sure how that algorithm works, but I would suggest reconsidering reopening this issue as a feature request if it does not work like that:

Imagine that I want to change the length of a line according to a field, which may be positive (extend) or negative (shrink). IMHO it would be great to solve this by using a single tool, not two different ones. I am not a programmer at all, but I cannot see any difference in changing a line's length while keeping its direction, no matter if that length is positive or negative.