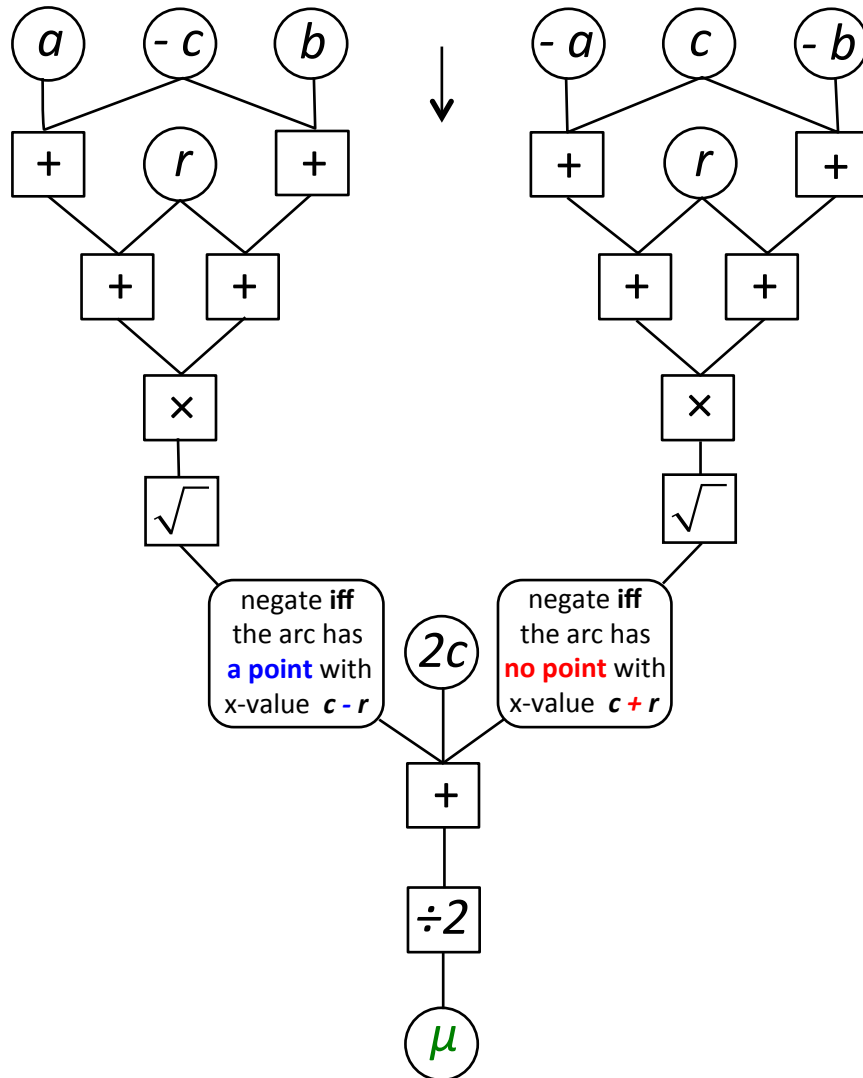


## Arc Midpoint Algorithm

*Oleksandr G. Akulov, MM in OR, BMath, Vancouver, British Columbia  
Gregory V. Akulov, teacher, Luther College High School, Regina, Saskatchewan*

$a$ ,  $b$ , and  $c$  are the Cartesian  $x$ -values of the endpoints, and the center of the circular arc, respectively;  $r$  is the radius of the arc.



$\mu$  is the  $x$ -value of arc's midpoint.

The same algorithm can be used for  $y$ -values.