
Problem 3

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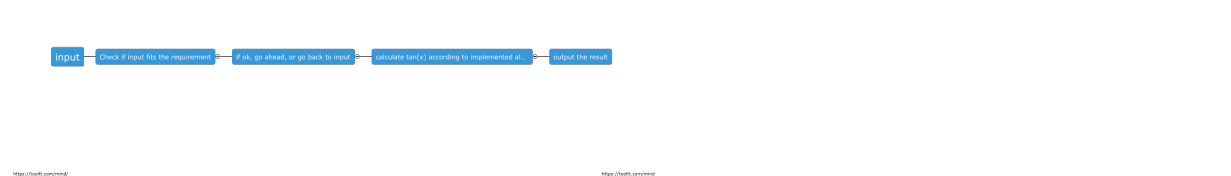
function: $\tan(x)$

Concordia University

SOEN 6011: Software Engineering Processes

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1 Mindmap



2 Algorithm 1

Algorithm 1 An algorithm with caption

2.1 Technical reasons

Algorithm 1: hard coded formula, easy to implement.

Algorithm 2: Also hard coded, but faster.

2.2 Pseudo code

Require: $x \in R$

Ensure: $y = \tan(x)$

$X \leftarrow input$

while True **do**

$y \leftarrow x + x^3/1 \times 3 + 2 \times (x^5)/1 \times 3 \times 5$

output y

▷ This is a comment

end while

Algorithm 1's Description In Algorithm 1, $\tan(x)$ is computed by taylor series.

2.3 Algorithm 2