

Explanation

"(1+2)+(3+4)" directly corresponds to the AST value's structure.

"(((1+2)))+(3+4)" corresponds to the desired AST in structure, just with extra parentheses. Parentheses aren't represented in the AST, so the extras have no effect on the AST value.

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[&]quot;1+2+3+4" would be Plus(Plus(Plus(Number(1), Plus(2)), Number(3)), Number(4)) as explained in the previous answer.

[&]quot;(1+2)+3+4" first walks over the sum 1+2 which recursively produces Plus(Number(1),Number(2)). It then creates a new Plus with that result and Number(3) resulting in Plus(Plus(Number(1),Number(2)), Number(3)); it then continues adding Number(4) to the expression resulting in the same expression as the previous choice Plus(Plus(Number(1), Plus(2)), Number(3)), Number(4)).

1 Answers are displayed within the problem

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