

# CPSC 626: Parallel Algorithm Design and Analysis

## Homework Assignment #3

### Fall 2008

Due: Thursday Oct 16, 2008 at the beginning of class.

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#### General Guidelines for Homework

- Be clear and precise. Write neatly and legibly. Justify all answers, even if not specified in the question. Use good judgement concerning how detailed to make your answer.
  - If the question is not fully specified, you may need to make some assumptions. In this case, you must state any assumptions you make, and justify why they are reasonable.
  - Everyone must turn in their own copy of the assignment. You may consult outside material or work with others (this is encouraged), but you must reference your sources (people, texts, solutions, etc.). These must be listed on the cover sheet mentioned below.
  - All assignments in this course must include a completed and signed [cover sheet](#) available on the course homepage. **Any assignment turned in without a fully completed and signed coverage will receive ZERO POINTS.**
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1. Evaluate the Expression tree (Fig. 1 a) using the rake operation.
2. Evaluate the Expression tree (Fig. 1 b) using rake operation with the two label method discussed in the class. Check if the evaluation requires a three labels method for its evaluation.

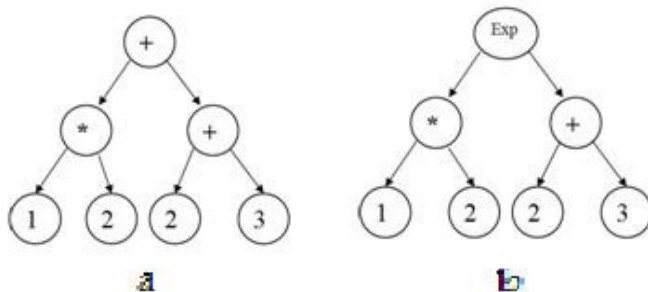


Fig. 1.