## Problem ID: 7

## Problem Name: Can We Fix It?

## Description: A building company are regularly contracted to repair homes and businesses. The customers specify a target completion date for the repairs. An assessor from the company visits the site and assess the tasks required – they produce a percentage of time needed for the various sub tasks that need to be performed. A job may be comprised of (for example) three sub-tasks with a 10%, 30%, 60% split of effort needed. The percentages of course always total 100%. There is always at least one sub-task that needs a minimum number of days, but it could be any of the sub-tasks. Given the percentage split, the sub-tasks with a minimum number of days and the target completion date (X days from now) can a given job be completed on time or not?

## UB Number:

## Name:

<ADD YOUR **ONE PAGE** ANALYSIS AND PROPOSED SOLUTION HERE AND REMOVE THIS TEXT.>

<ADD YOUR FLOW CHART OR PSEUDOCODE HERE AND REMOVE THIS TEXT. NO ADDITIONAL TEXT SHOULD BE ON THIS PAGE EXCEPT FOR TEXT IN A FLOWCHART OR PSEUDOCODE ALGORITHM>