HOMEWORK #2 SOLUTION

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- 1. Exercise 2.1 Dual in AMPL
- 2. Exercise 2.2 Sparse solution for equations with AMPL
 - 3. Bloody AMPL
 - 4. Exercise 2.4 Task scheduling

The objective of the problem is to minimize the start time of task n+1, t_{n+1} . For the constraints on start time of each task, $t_1=0$ and $t_i\geq 0, i\in\mathbb{N}, 2\leq i\leq n+1$. For the precedences between tasks, if task j must be completed before task i can be started, namely $j\in\Psi_i$, the start time of task i must be larger than or equal to the start time of task j plus the duration of task j, d_j , namely, t.

5. Exercise 2.5 Investing wisely

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