

Optimizations Exercises

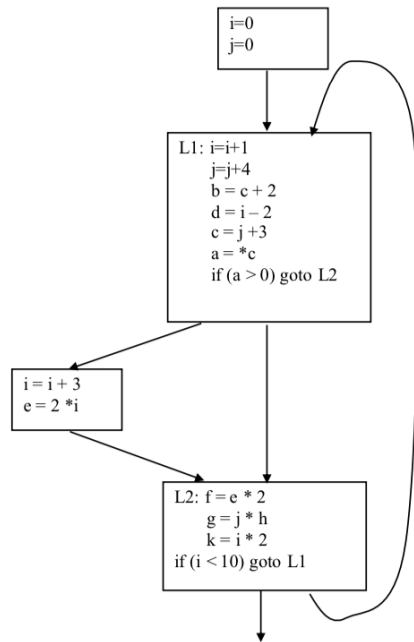
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Problem 1

For the program depicted below do the following:

1. Find the induction variables in this program. Show the results after applying strength reduction and loop test replacement.
2. Show the resulting code from applying loop unrolling with an unrolling factor of 2.

Note: The "a = *c" assigns the contents of the memory location pointed to by c to a.



Basic Induction Variables: i, j
Induction Variables Families: $\{i, d, e, k\}; \{j, g, c\}$
Ver Solução ??