

## Static Program Analysis SS 2011

### Exercise Sheet 9

Please hand in the solutions to the theoretical exercises until the beginning of the lecture on Wed. 2011-07-20, 10:00. Please write the number of your tutorial group and/or the date/time slot on the first sheet of your solution.

#### Exercise 9.1: Cache Analysis (Points: 4)

Perform a *must* as well as a *may analysis* to derive properties of the cache contents on the following program. Assume an initially empty 4-way fully-associative cache architecture with an LRU replacement policy.

