代码优化作业3

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14.6

到达定义流：

$$gen[B1] = \{< B1, 1 >, < B1, 2 >, < B1, 3 >\}$$
$$kill[B1] = \{< B1, 1 >, < B1, 2 >, < B3, 1 >\}$$
$$gen[B2] = \{< B2, 1 >\}$$
$$kill[B2] = \{< B1, 1 >, < B1, 2 >, < B3, 1 >\}$$
$$gen[B3] = \{< B3, 1 >, < B3, 2 >\}$$
$$kill[B3] = \{< B1, 1 >, < B1, 2 >, < B3, 1 >\}$$
$$gen[B4] = \{< B4, 1 >\}$$
$$kill[B4] = \{< B1, 1 >, < B1, 2 >, < B3, 1 >\}$$

迭代后结果：

$$in[B1] = \{\}$$
$$out[B1] = \{< B1, 1 >, < B1, 2 >, < B1, 3 >\}$$
$$in[B2] = \{< B1, 1 >, < B1, 2 >, < B1, 3 >\}$$
$$out[B2] = \{< B2, 1 >, < B1, 3 >\}$$
$$in[B3] = \{< B1, 1 >, < B1, 2 >, < B1, 3 >\}$$
$$out[B3] = \{< B3, 1 >, < B3, 2 >, < B1, 3 >\}$$
$$in[B4] = \{< B2, 1 >, < B3, 1 >, < B3, 2 >, < B1, 3 >\}$$
$$out[B4] = \{< B1, 3 >, < B2, 1 >, < B3, 2 >\}$$

使用-定义链数据流：

$a: L1 = \{<B2, 1>\}$

$b: L2 = \{<B1, 1>, <B1, 3>, <B2, 1>, <B4, 1>\}$

$L3 = \{<B3, 1>, <B3, 2>, <B4, 1>\}$

$c: L4 = \{<B1, 2>, <B2, 1>, <B4, 1>\}$

$L5 = \{<B1, 2>, <B3, 2>, <B4, 1>\}$

$d: L6 = \{<B1, 3>\}$

$L7 = \{<B3, 1>\}$

$e: L8 = \{<B4, 1>\}$