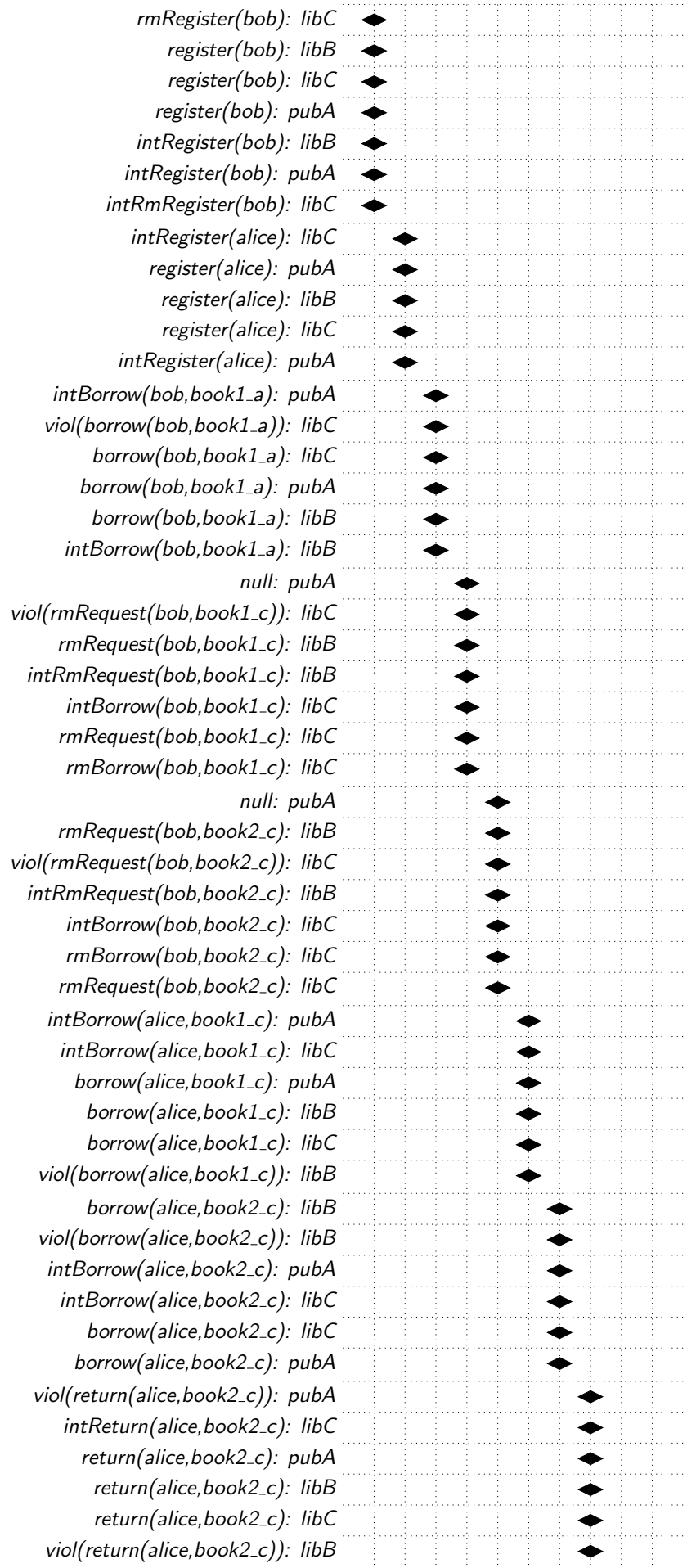
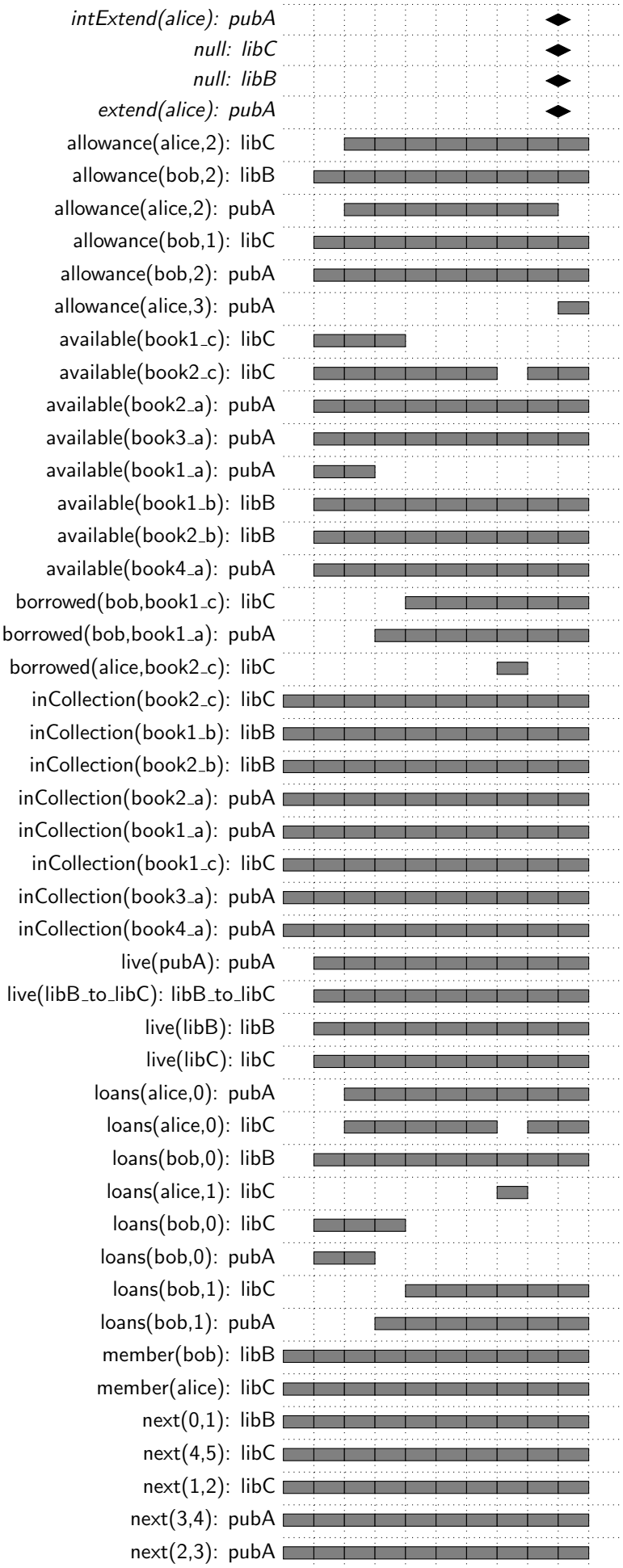
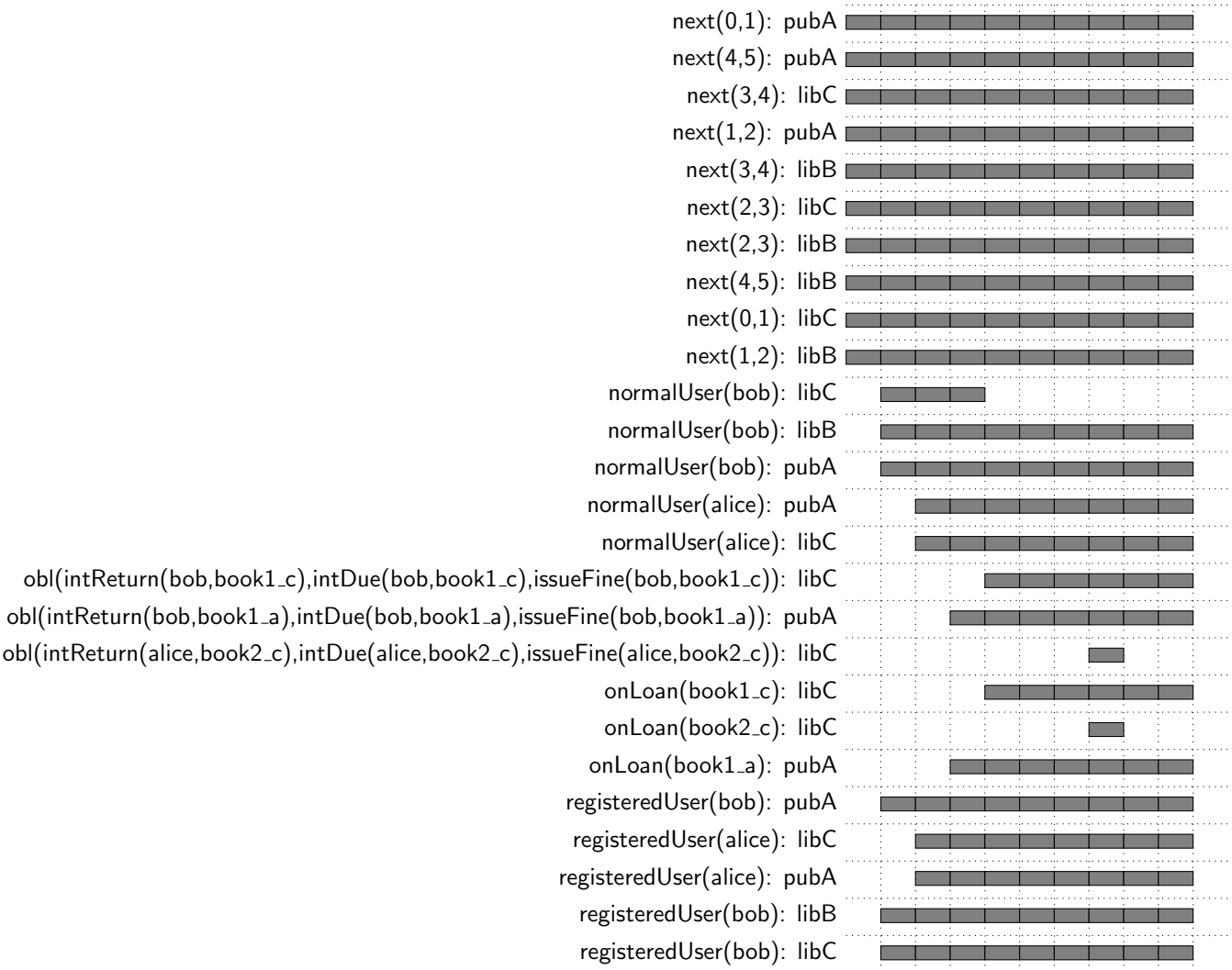

rmRegister(bob): libC
register(bob): libB
register(bob): libC
register(bob): pubA
intRegister(bob): libB
intRegister(bob): pubA
intRmRegister(bob): libC
intRegister(alice): libC
register(alice): pubA
register(alice): libB
register(alice): libC
intRegister(alice): pubA
intBorrow(bob,book1_a): pubA
viol(borrow(bob,book1_a)): libC
borrow(bob,book1_a): libC
borrow(bob,book1_a): pubA
borrow(bob,book1_a): libB
intBorrow(bob,book1_a): libB
null: pubA
viol(rmRequest(bob,book1_c)): libC
rmRequest(bob,book1_c): libB
intRmRequest(bob,book1_c): libB
intBorrow(bob,book1_c): libC
rmRequest(bob,book1_c): libC
rmBorrow(bob,book1_c): libC
null: pubA
rmRequest(bob,book2_c): libB
viol(rmRequest(bob,book2_c)): libC
intRmRequest(bob,book2_c): libB
intBorrow(bob,book2_c): libC
rmBorrow(bob,book2_c): libC
rmRequest(bob,book2_c): libC
intBorrow(alice,book1_c): pubA
intBorrow(alice,book1_c): libC
borrow(alice,book1_c): pubA
borrow(alice,book1_c): libB
borrow(alice,book1_c): libC
viol(borrow(alice,book1_c)): libB
borrow(alice,book2_c): libB
viol(borrow(alice,book2_c)): libB
intBorrow(alice,book2_c): pubA
intBorrow(alice,book2_c): libC
borrow(alice,book2_c): libC
borrow(alice,book2_c): pubA
viol(return(alice,book2_c)): pubA
intReturn(alice,book2_c): libC
return(alice,book2_c): pubA
return(alice,book2_c): libB
return(alice,book2_c): libC
viol(return(alice,book2_c)): libB


intExtend(alice): pubA
null: libC
null: libB
extend(alice): pubA
allowance(alice,2): libC
allowance(bob,2): libB
allowance(alice,2): pubA
allowance(bob,1): libC
allowance(bob,2): pubA
allowance(alice,3): pubA
available(book1_c): libC
available(book2_c): libC
available(book2_a): pubA
available(book3_a): pubA
available(book1_a): pubA
available(book1_b): libB
available(book2_b): libB
available(book4_a): pubA
borrowed(bob,book1_c): libC
borrowed(bob,book1_a): pubA
borrowed(alice,book2_c): libC
inCollection(book2_c): libC
inCollection(book1_b): libB
inCollection(book2_b): libB
inCollection(book2_a): pubA
inCollection(book1_a): pubA
inCollection(book1_c): libC
inCollection(book3_a): pubA
inCollection(book4_a): pubA
live(pubA): pubA
live(libB_to_libC): libB_to_libC
live(libB): libB
live(libC): libC
loans(alice,0): pubA
loans(alice,0): libC
loans(bob,0): libB
loans(alice,1): libC
loans(bob,0): libC
loans(bob,0): pubA
loans(bob,1): libC
loans(bob,1): pubA
member(bob): libB
member(alice): libC
next(0,1): libB
next(4,5): libC
next(1,2): libC
next(3,4): pubA
next(2,3): pubA


next(0,1): pubA
next(4,5): pubA
next(3,4): libC
next(1,2): pubA
next(3,4): libB
next(2,3): libC
next(2,3): libB
next(4,5): libB
next(0,1): libC
next(1,2): libB
normalUser(bob): libC
normalUser(bob): libB
normalUser(bob): pubA
normalUser(alice): pubA
normalUser(alice): libC
obl(intReturn(bob,book1_c),intDue(bob,book1_c),issueFine(bob,book1_c)): libC
obl(intReturn(bob,book1_a),intDue(bob,book1_a),issueFine(bob,book1_a)): pubA
obl(intReturn(alice,book2_c),intDue(alice,book2_c),issueFine(alice,book2_c)): libC
onLoan(book1_c): libC
onLoan(book2_c): libC
onLoan(book1_a): pubA
registeredUser(bob): pubA
registeredUser(alice): libC
registeredUser(alice): pubA
registeredUser(bob): libB
registeredUser(bob): libC