

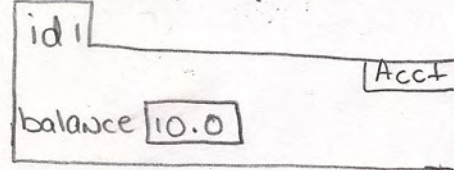
A2 Solutions - Walker's Version

Call Frames

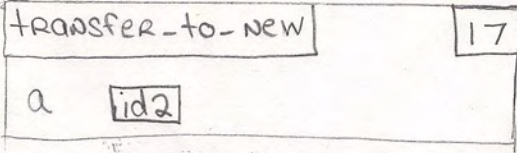
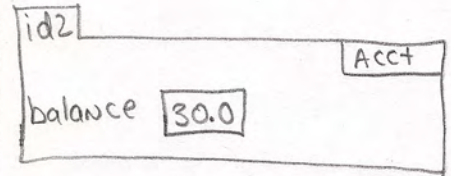
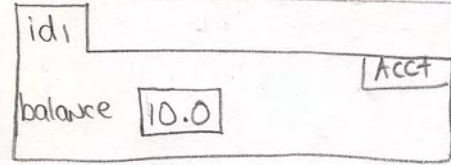
Global Space

Heap Space

a1 id1

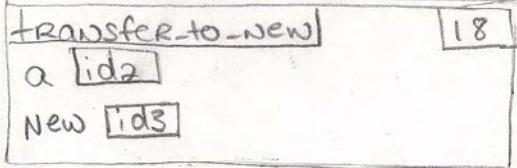


a1 id1
a2 id2

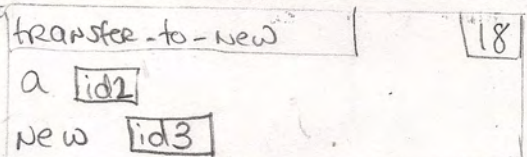
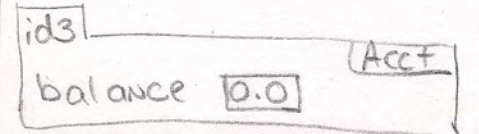
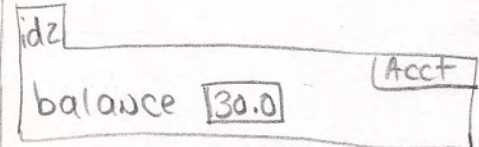
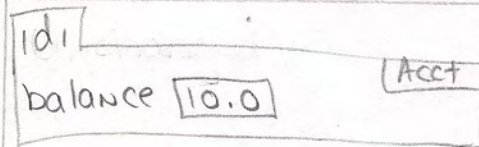


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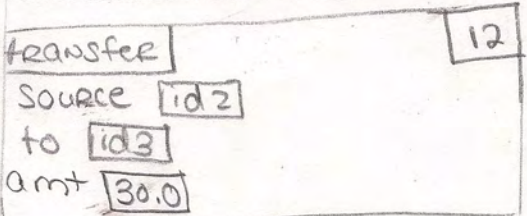
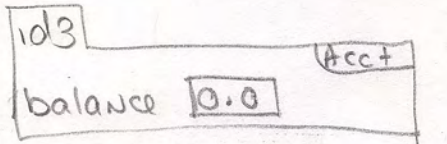
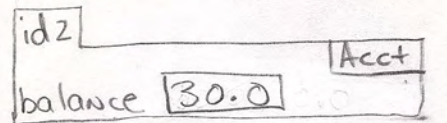
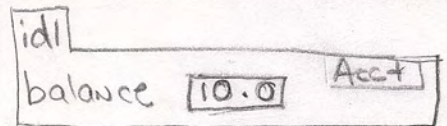
Unchanged



Unchanged



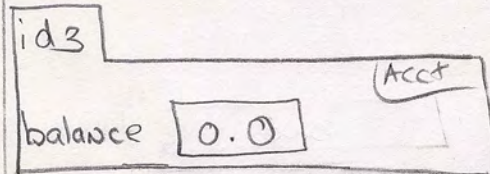
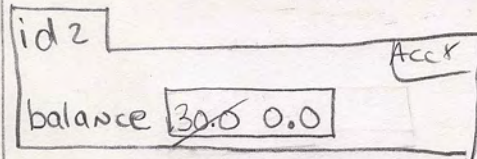
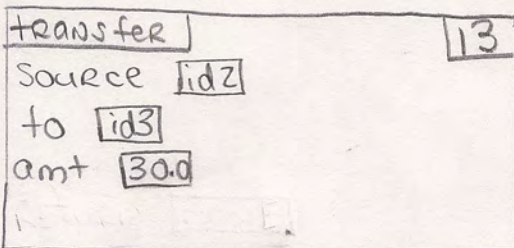
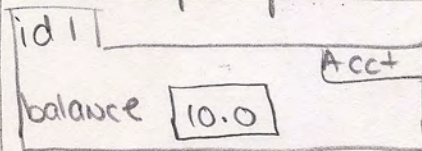
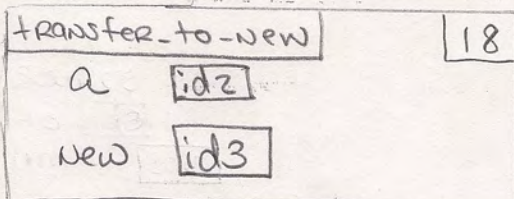
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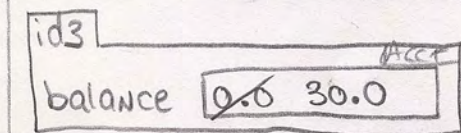
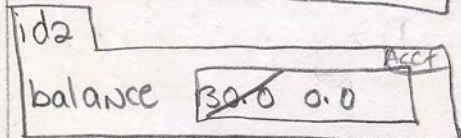
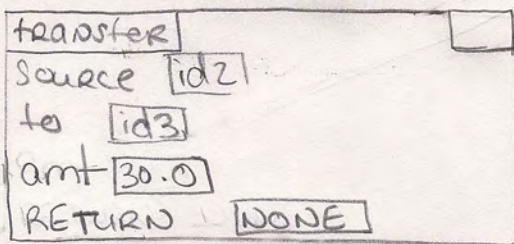
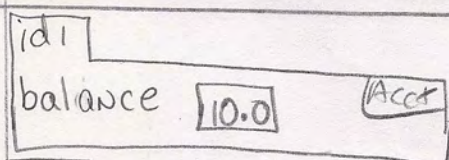
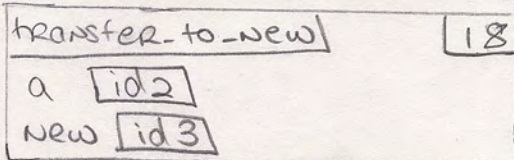
Call Frames

Global Space

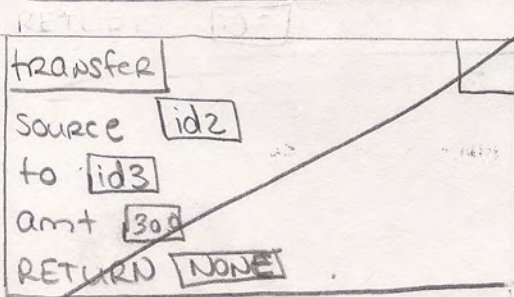
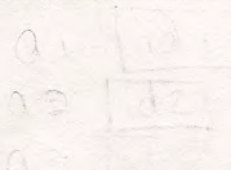
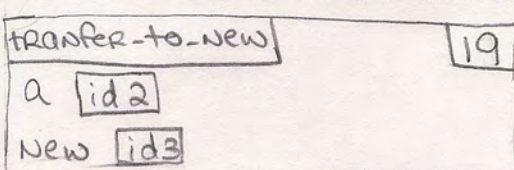
Heap Space



Unchanged

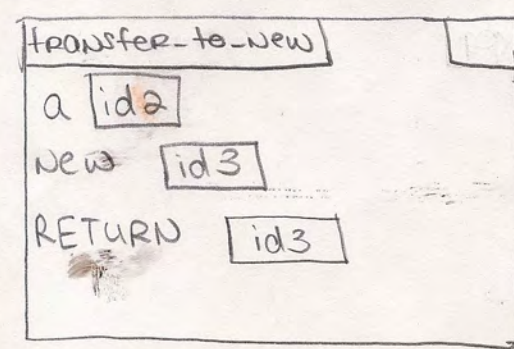


Unchanged



Unchanged

Unchanged



Unchanged

Unchanged

Call frames

Global Space

Heap Space

transfer-to-new

a id2

new id3

RETURN id3

a1 id1

a2 id2

a3 id3

Unchanged

equalize

a1 id2

a2 id1

Unchanged

Unchanged

equalize

a1 id2

a2 id1

avg 5.0

Unchanged

Unchanged

equalize

a1 id2

a2 id1

avg 5.0

Unchanged

id1
balance 10.0 Acct

id2
balance ~~30.0~~ ~~0.0~~ 5.0 Acct

id3
balance ~~0.0~~ 30.0 Acct

equalize

a1 id2

a2 id1

avg 5.0

RETURN NONE

Unchanged

id1
balance ~~10.0~~ 5.0 Acct

id2
balance ~~30.0~~ ~~0.0~~ 5.0 Acct

id3
balance ~~0.0~~ 30.0 Acct

Call Frames

Global Space

Heap Space

equalize
 a1 id2
 a2 id1
 avg 5.0
 RETURN NONE

Unchanged

Unchanged

transfer 12
 source id3
 to id1
 amt 10.0

unchanged

unchanged

transfer 13
 source id3
 to id1
 amt 10.0

Unchanged

id1 Acct
 balance ~~10.0~~ 5.0
 id2 Acct
 balance ~~30.0~~ ~~0.0~~ 5.0
 id3 Acct
 balance ~~0.0~~ ~~30.0~~ 20.0

transfer
 source id3
 to id1
 amt 10.0
 RETURN NONE

Unchanged

id1 Acct
 balance ~~10.0~~ ~~5.0~~ 15.0
 id2 Acct
 balance ~~30.0~~ ~~0.0~~ 5.0
 id3 Acct
 balance ~~0.0~~ ~~30.0~~ 20.0

transfer
 source id3
 to id1
 amt 10.0
 RETURN NONE

Unchanged

Unchanged

Call Frames

Global Space

Heap Space

smaller-into-bigger 36
 a1 id1
 a2 id2

Unchanged

Unchanged

smaller-into-bigger 37
 a1 id1
 a2 id2

Unchanged

Unchanged

smaller-into-bigger 38
 a1 id1
 a2 id2
 RETURN -1

unchanged

unchanged

~~smaller-into-bigger
 a1 id1
 a2 id2
 RETURN -1~~

a1 id1
 a2 id2
 a3 id3
 x1 -1

Unchanged

smaller-into-bigger 36
 a1 id1
 a2 id3

Unchanged

unchanged

smaller-into-bigger 38
 a1 id1
 a2 id3

Unchanged

Unchanged

smaller-into-bigger 39
 a1 id1
 a2 id3

Unchanged

Unchanged

smaller-into-bigger 40
 a1 id1
 a2 id3
 smaller id1

Unchanged

Unchanged

Call Frames

Global Space

Heap Space

smaller-into-bigger 45
 a1 id1
 a2 id3
 smaller id1
 bigger id3

Unchanged

Unchanged

smaller-into-bigger 46
 a1 id1
 a2 id3
 smaller id1
 bigger id3
 output 15.0

Unchanged

Unchanged

smaller-into-bigger 46
 a1 id1
 a2 id3
 smaller id1
 bigger id3
 output 15.0

Unchanged

Unchanged

transfer 12
 source id1
 to id3
 amt 15.0

smaller-into-bigger 46
 a1 id1
 a2 id3
 smaller id1
 bigger id3
 output 15.0

Unchanged

id1 ACCT
 balance ~~10.0~~ ~~5.0~~ ~~15.0~~ 0.0

id2 ACCT
 balance ~~30.0~~ ~~0.0~~ 5.0

transfer 13
 source id1
 to id3
 amt 15.0

id3 ACCT
 balance 0.0 ~~30.0~~ 20.0

Call frames

Global Space

Heap Space

smaller-into-bigger 46

a1 id1

a2 id3

smaller id1

bigger id3

Output 15.0

transfer

source id1

to id3

amt 15.0

RETURN NONE

smaller-into-bigger 47

a1 id1

a2 id3

smaller id1

bigger id3

Output 15.0

transfer

source id1

to id3

amt 15.0

RETURN NONE

smaller-into-bigger 48

a1 id1 id3

a2 id3

smaller id1

bigger id3

Output 15.0

smaller-into-bigger 49

a1 id1 id3

a2 id3 id1

smaller id1

bigger id3

Output 15.0

Unchanged

Unchanged

Unchanged

Unchanged

id1

balance ~~10.0~~ ~~5.0~~ ~~15.0~~ 0.0 ^{ACCT}

id2

balance ~~30.0~~ ~~0.0~~ 5.0 ^{ACCT}

id3

balance ~~0.0~~ ~~30.0~~ ~~20.0~~ 35.0 ^{ACCT}

Unchanged

Unchanged

Unchanged

Call Frames

Global Space

Heap Space

smaller-into-bigger

a1 ~~id1~~ id3

a2 ~~id3~~ id1

smaller id1

bigger id3

output 15.0

RETURN 15.0

Unchanged

Unchanged

smaller-into-bigger

~~SAME AS ABOVE~~

a1 id1

a2 id2

a3 id3

x1 -1

x2 15.0

Unchanged