$weight: int := 2; balance: int := C(garbage\_bin)dep: (int -> int)(1); weight: int := 0; balance: int := C(garbage\_bin)dep: (int -> int)(2); weight: int := 0; balance: int := C(garbage\_bin)dep: (int -> int)(2); weight: int := 0; balance: int := C(garbage\_bin)dep: (int -> int)(2); weight: int := 0; balance: int := C(garbage\_bin)dep: (int -> int)(2); weight: int := 0; balance: int := 0; bala$ 

return res:int

1balance:int=0, weight:int=0
res2:int := thisloop:( -> int)();
return res2:int

H(citizen):C(incinerator).fee::int(D)

H(citizen):C(incinerator).fee::int(D) H(citizen).\_\_return\_ko\_\_::[C(incinerator).]()

8balance:int=D, weight:int=0 C(incinerator).balance:int := \* ...:

weight:int := 2;balance:int := C(garbage\_bin)dep:(int -> int)(1);weight:int := 1;balance:int := C(garbage\_bin)dep:(int -> int)(1);weight:int := 0;balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:(-> int)(); return res:int

H(citizen).\_\_return\_ok\_\_::int[C(incinerator).](\_\_ra\_\_ 9:int)

11balance:int=\_\_ra\_\_ 9:int, weight:int=0

weight:int := 2;balance:int := C(garbage\_bin)dep:(int -> int)(1);weight:int := 1;balance:int := C(garbage\_bin)dep:(int -> int)(2);weight:int := 0;balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:(-> int)(); return res:int

H(citizen):C(garbage\_bin).dep::int(1) (\_\_choice\_\_15:int = 0)

19balance:int=\_\_ra\_\_ 9:int, weight:int=2 C(garbage\_bin).balance:int := \* ...; weight:int := 1;balance:int := C(garbage\_bin)dep:(int -> int)(1);weight:int := 0;

balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:( -> int)();

return res:int

H(citizen).\_\_return\_ok\_\_::int[C(garbage\_bin).](\_\_ra\_\_ 20:int) H(citizen).\_\_return\_ko\_\_::[C(garbage\_bin).]() H(citizen):C(garbage\_bin).dep::int(1)

22balance:int=\_\_ra\_\_ 20:int, weight:int=2
weight:int := 1;balance:int := C(garbage\_bin)dep:(int -> int)(1);weight:int := 0;
balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:( -> int)();
return res:int

18balance:int=\_\_ra\_\_ 9:int, weight:int=2
balance:int := C(garbage\_bin)dep:(int -> int)(1);
weight:int := 1;balance:int := C(garbage\_bin)dep:(int -> int)(1);weight:int := 0;
balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:( -> int)();
return res:int

H(citizen):C(garbage\_bin).dep::int(2) (\_\_choice\_\_15:int = 1)

H(citizen).\_\_return\_ko\_\_::[C(garbage\_bin).]() H(citizen):C(garbage\_bin).dep::int(2) H(citizen).\_\_return\_ok\_\_::int[C(garbage\_bin).](\_\_ra\_\_ 41:int)

balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:( -> int)(); return res:int

43balance:int=<u>\_\_ra\_\_</u> 41:int, weight:int=2 weight:int := 0;

balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:( -> int)(); return res:int

H(citizen):C(incinerator).fee::int(D)

H(citizen):C(garbage\_bin).dep::int(1)

H(citizen).\_\_return\_ok\_\_::int[C(garbage\_bin).](\_\_ra\_\_ 27:int) H(citizen).\_\_return\_ko\_\_::[C(garbage\_bin).]() H(citizen):C(garbage\_bin).dep::int(1)

29balance:int=<u>ra</u>\_27:int, weight:int=1
weight:int := 0;
balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:( -> int)();
return res:int

25balance:int=\_\_ra\_\_ 20:int, weight:int=1
balance:int := C(garbage\_bin)dep:(int -> int)(1);
weight:int := 0;
balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:( -> int)();
return res:int

H(citizen):C(banca).save::int(\_\_ra\_\_ 27:int)

32balance:int=\_\_ra\_\_ 27:int, weight:int=0
C(banca).balance:int := \* ...;
res:int := thisloop:( -> int)();
return res:int

H(citizen).\_\_return\_ok\_\_::int[C(banca).](\_\_ra\_\_ 33:int) H(citizen).\_\_return\_ko\_\_::[C(banca).]() H(citizen):C(banca).save::int(\_\_ra\_\_ 27:int)

35balance:int=\_\_ra\_\_ 33:int, weight:int=0
res:int := thisloop:( -> int)();
return res:int

31balance:int=\_\_ra\_\_ 27:int, weight:int=0
balance:int := C(banca)save:(int -> int)(balance:int);
res:int := thisloop:( -> int)();
return res:int

H(citizen):C(banca).save::int(\_\_ra\_\_ 41:int)

46balance:int=\_\_ra\_\_ 41:int, weight:int=0
C(banca).balance:int := \* ...;
res:int := thisloop:( -> int)();
return res:int

H(citizen).\_\_return\_ko\_\_::[C(banca).]() H(citizen):C(banca).save::int(\_\_ra\_\_41:int) H(citizen).\_\_return\_ok\_\_::int[C(banca).](\_\_ra\_\_47:int) /

45balance:int=\_\_ra\_\_ 41:int, weight:int=0
balance:int := C(banca)save:(int -> int)(balance:int);
res:int := thisloop:( -> int)();
return res:int

49balance:int=\_\_ra\_\_ 47:int, weight:int=0
res:int := thisloop:( -> int)();
return res:int

H(citizen):C(incinerator).fee::int(D)