balance:int := C(incinerator)fee:(int -> int)(D);

7[true]: balance:int=D, 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)();

1[true]: balance: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).]()

8[true]: balance:int=D, weight:int=0 C(incinerator).balance:int := * ...;

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

H(citizen).__return_ok__::int[C(incinerator).](__ra__ 9:int)

11[true]: balance: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) $(\underline{}$ choice $\underline{}$ 15:int = 0)

19[true]: balance:int=__ra__ 9:int, weight:int=2 C(garbage_bin).balance:int := * ...; weight:int := 1; balance:int := $C(\text{garbage_bin})\text{dep:(int -> int)(1)}$; weight:int := 0;

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)

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

return res:int

25[true]: balance: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

18[true]: balance: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) $(\underline{}$ choice $\underline{}$ 15:int = 1)

> 40[true]: balance:int=__ra__ 9:int, weight:int=2 C(garbage_bin).balance:int := * ...;

weight:int := 0; balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:(-> int)(); return res:int

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)

39[true]: balance:int=__ra__ 9:int, weight:int=2 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

43[true]: balance:int=__ra__ 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)

26[true]: balance:int=__ra__ 20:int, weight:int=1 C(garbage_bin).balance:int := * ...; weight:int := 0; balance:int := C(banca)save:(int -> int)(balance:int);res:int := thisloop:(-> int)();

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)

29[true]: balance:int=__ra__ 27:int, weight:int=1 weight:int := 0;

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

22[true]: balance: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

H(citizen):C(banca).save::int(balance:int)

32[true]: balance: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(balance:int)

31[true]: balance:int=__ra__ 27:int, weight:int=0 35[true]: balance:int=__ra__ 33:int, weight:int=0 balance:int := C(banca)save:(int -> int)(balance:int); res:int := thisloop:(-> int)(); res:int := thisloop:(-> int)(); return res:int return res:int

H(citizen):C(banca).save::int(balance:int)

46[true]: balance: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(balance:int) H(citizen).__return_ok__::int[C(banca).](__ra__ 47:int) /

45[true]: balance:int=__ra__ 41:int, weight:int=0 balance:int := C(banca)save:(int -> int)(balance:int); res:int := thisloop:(-> int)(); return res:int

49[true]: balance:int=__ra__ 47:int, weight:int=0 res:int := thisloop:(-> int)(); return res:int

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