```
Legend
                                                                            gray, single
                                                         node border
                          a = 5
                                                                            black, single
                                                  entrypoint border
                            {{
                                                                            black, double
                                                    exitpoint border
                heap [[ monolith ]]
                                                    sequential edge
                                                                            black, solid
                     value [[ ⊤ ]]
                                                                            blue, dashed
                                                             true edge
                        }} -> [a]
                                                            false edge red, dashed
                         b = 3
                            {{
                heap [[ monolith ]]
                     value [[ ⊤ ]]
                       }} ->[b]
               c = +(*(2, +(a, b)), 1)
                heap [[ monolith ]]
         value [[ [c \rightarrow \{(a, b, 2, 0)\}]]]
                       }} -> [c]
                    d = +(-(c), 1)
                heap [[ monolith ]]
  value [[ [c \rightarrow \{(a, b, 2, 0), (d, \bot, -1, 0)\},
              d \rightarrow \{(c, \perp, -1, 0)\}]]
                       }} -> [d]
                 e = +(*(2, -(c)), 7)
                heap [[ monolith ]]
 value [[ [e \rightarrow {(c, \perp, -2, 6), (d, \perp, 2, 4)},
        c \to \{(a, b, 2, 0), (d, \bot, -1, 0)\},\
              d \to \{(c, \perp, -1, 0)\}]]
                       }} -> [e]
                f = +(*(4, -(c)), 14)
                heap [[ monolith ]]
  value [[ [c \rightarrow \{(a, b, 2, 0), (d, \bot, -1, 0)\},
                d \to \{(c, \perp, -1, 0)\},\
       e \to \{(c, \perp, -2, 6), (d, \perp, 2, 4)\},\
     f \rightarrow \{(d, \perp, 4, 9), (c, \perp, -4, 13)\}]]
                        }} ->[f]
                   g = -(-(a, b), 4)
                heap [[ monolith ]]
           value [[ [a \rightarrow \{(g, b, 1, 3)\},
        c \to \{(a, b, 2, 0), (d, \bot, -1, 0)\},\
                d \to \{(c, \perp, -1, 0)\},\
       e \to \{(c, \perp, -2, 6), (d, \perp, 2, 4)\},\
     f \rightarrow \{(d, \perp, 4, 9), (c, \perp, -4, 13)\}]]
                       }} -> [g]
                         v1 = a
                            { {
                heap [[ monolith ]]
 value [[ [a \rightarrow {(v1, \perp, 1, -1), (g, b, 1, 3)},
c \rightarrow \{(a, b, 2, 0), (v1, b, 2, 0), (d, \bot, -1, 0)\},\
       v1 \rightarrow \{(a, \perp, 1, -1), (b, g, 1, 3)\},\
                d \to \{(c, \perp, -1, 0)\},\
       e \rightarrow \{(c, \perp, -2, 6), (d, \perp, 2, 4)\},\
     f \rightarrow \{(d, \perp, 4, 9), (c, \perp, -4, 13)\}]]
                      \}\} -> [v1]
                      a = +(b, c)
                heap [[ monolith ]]
           value [[ [a \rightarrow \{(b, c, 1, -1)\},
       c \to \{(v1, b, 2, 0), (d, \bot, -1, 0)\},\
        v1 \rightarrow \{(b, c, 1, -1), (b, g, 1, 3)\},\
                d \to \{(c, \perp, -1, 0)\},\
       e \rightarrow \{(c, \perp, -2, 6), (d, \perp, 2, 4)\},\
     f \rightarrow \{(d, \perp, 4, 9), (c, \perp, -4, 13)\}]]
                       }} -> [a]
                           ret
                heap [[ monolith ]]
           value [[ [a \rightarrow \{(b, c, 1, -1)\},
       c \to \{(v1, b, 2, 0), (d, \bot, -1, 0)\},\
        v1 \rightarrow \{(b, c, 1, -1), (b, g, 1, 3)\},\
                d \to \{(c, \perp, -1, 0)\},\
       e \rightarrow \{(c, \perp, -2, 6), (d, \perp, 2, 4)\},\
```

 $f \rightarrow \{(d, \perp, 4, 9), (c, \perp, -4, 13)\}]]]$ }} -> [skip]