```
[cb761027@login.lcc2 Assignment2]$ cg_annotate cachegrind.out.3308 ~/PP/Assignment2/a2b.c
perl: warning: Setting locale failed.
perl: warning: Please check that your locale settings:
     LANGUAGE = (unset),
     LC_ALL = (unset),
     LANG = "C.UTF-8"
  are supported and installed on your system.
perl: warning: Falling back to the standard locale ("C").
           32768 B, 64 B, 8-way associative
D1 cache:
           32768 B, 64 B, 8-way associative
LL cache:
           6291456 B, 64 B, 24-way associative
Command:
            ./a2b
           cachegrind.out.3308
Data file:
Events recorded: Ir I1mr ILmr Dr D1mr DLmr Dw D1mw DLmw
Events shown: Ir Ilmr ILmr Dr D1mr DLmr Dw D1mw DLmw
Event sort order: Ir I1mr ILmr Dr D1mr DLmr Dw D1mw DLmw
Thresholds: 0.1 100 100 100 100 100 100 100
Include dirs:
User annotated: /home/cb76/cb761027/PP/Assignment2/a2b.c
Auto-annotation: off
______
                Dr D1mr DLmr Dw D1mw DLmw
     Tr T1mr T1mr
_____
14,312,585 696 691 6,888,837 981,302 62,228 503,734 490,532 31,115 PROGRAM TOTALS
     Ir Ilmr ILmr Dr Dlmr DLmr Dw Dlmw file:function
______
14,216,509 16 16 6,863,527 980,002 61,164 490,739 490,000 30,626
/home/cb76/cb761027/PP/Assignment2/a2b.c:main
  22,277 14 14 7,274 183 135 3,419
                                         9
                                             4 ???:do lookup x
  18,231 43 43 4,955 662 611 2,232 253 242 ???:_dl_relocate_object
                3,636 100 91 2,117
  18,200 10 10
                                        13
                                              5 ???:_dl_lookup_symbol_x
______
-- User-annotated source: /home/cb76/cb761027/PP/Assignment2/a2b.c
______
     Ir I1mr ILmr
                   Dr D1mr DLmr
                                   Dw
                                       D1mw DLmw
                                              . #include <stdlib.h>
     10
        1
            1
                   0
                        0
                              0
                                   7
                                         0
                                              0 int main() {
                   0
                        0
                              0
                                   1
                                         0
      1
         0
            0
                                              0 size_t n = 700;
                         .
                                         .
      .
                                   3
     54 3 3
                   2
                        0
                             0
                                         0
                                              0 int32_t a[n][n];
     62 5 5
                   6
                        0
                                   13
                                         0
                                              0 int32_t b[n][n];
     62 5 5
                   7
                              0
                                         0
                        0
                                   13
                                              0
                                                  int32_t c[n][n];
                   .
                                        0
   2,805 1 1 2,102 0
                             0
                                   1
                                              0 for(size_t j = 0; j < n;</pre>
++j) {
1,963,500 0
                                            0
             0 1,471,400
                        0
                            0
                                   700
                                      0
                                                        for(size_t i =
0; i < n; ++i) {
             1 5,390,000 980,000 61,164 490,000 490,000 30,626
                                                              c[i][j]
= a[i][j] * b[i][j];
```