```
a = 3;
                     a = 3;
                                          a = 3;
                                                               a = 3;
                     b = 1;
                                          b = 1;
                                                               b = 1;
                                         loop_x
                    loop_x
                                                              loop_x
loop_x
                                                                 c = \phi(a, f);
                                            c = \phi(a, f);
                       c = \phi(a, f);
  c = \phi(a, f);
                       d = \phi(b, g);

e = d + 7;

f = e + c;
  d = \phi(b, g);
  e = d + 7;
  f = e + c;
 g = d + 5;
end_loop_x
                     end_loop_x
                                          end_loop_x
                                                               end_loop_x
```

(1) Initial condition edge. (2) Searching for "c".

(3) Backtrack and found "c". (4) Cyclic def-use chain.