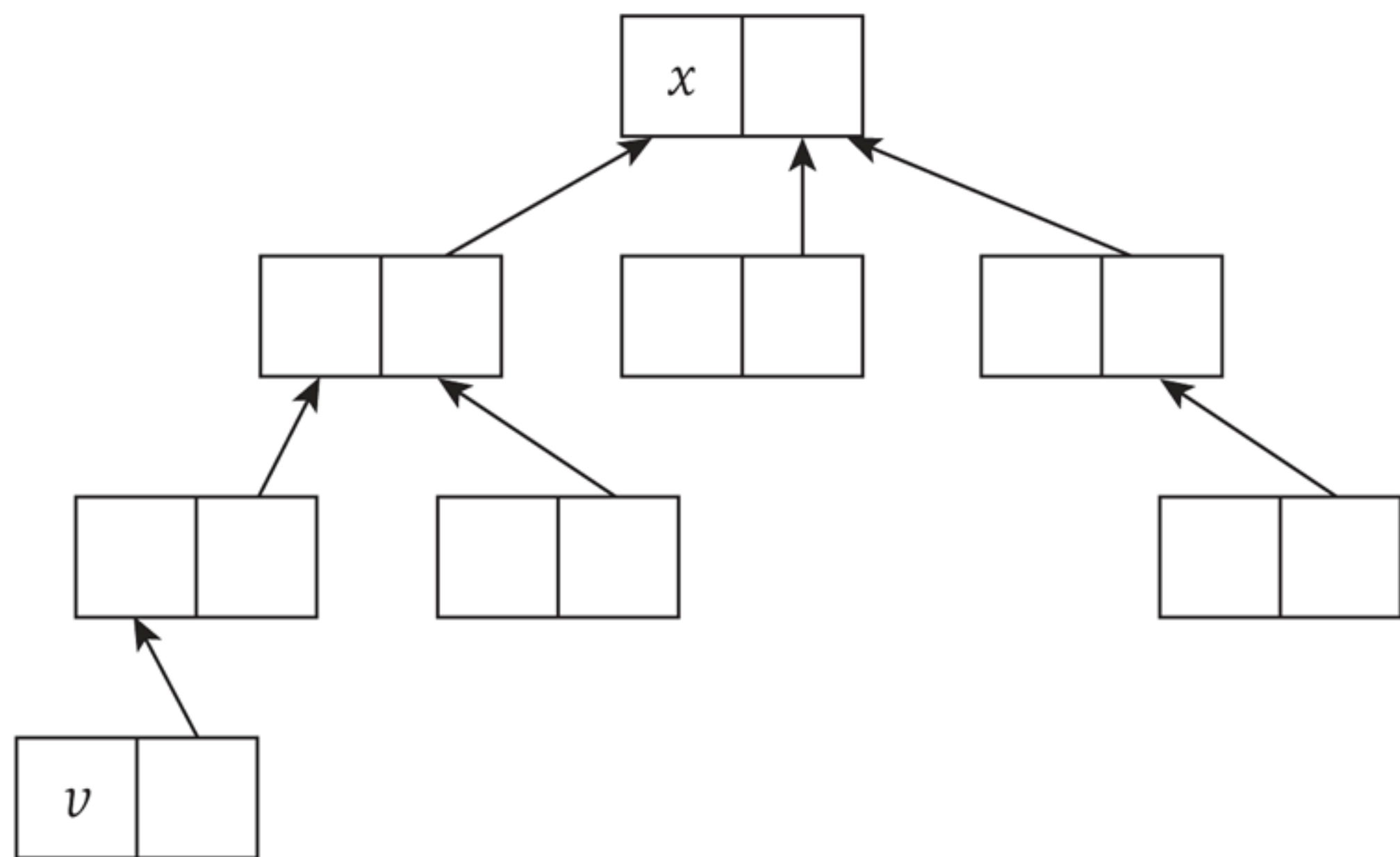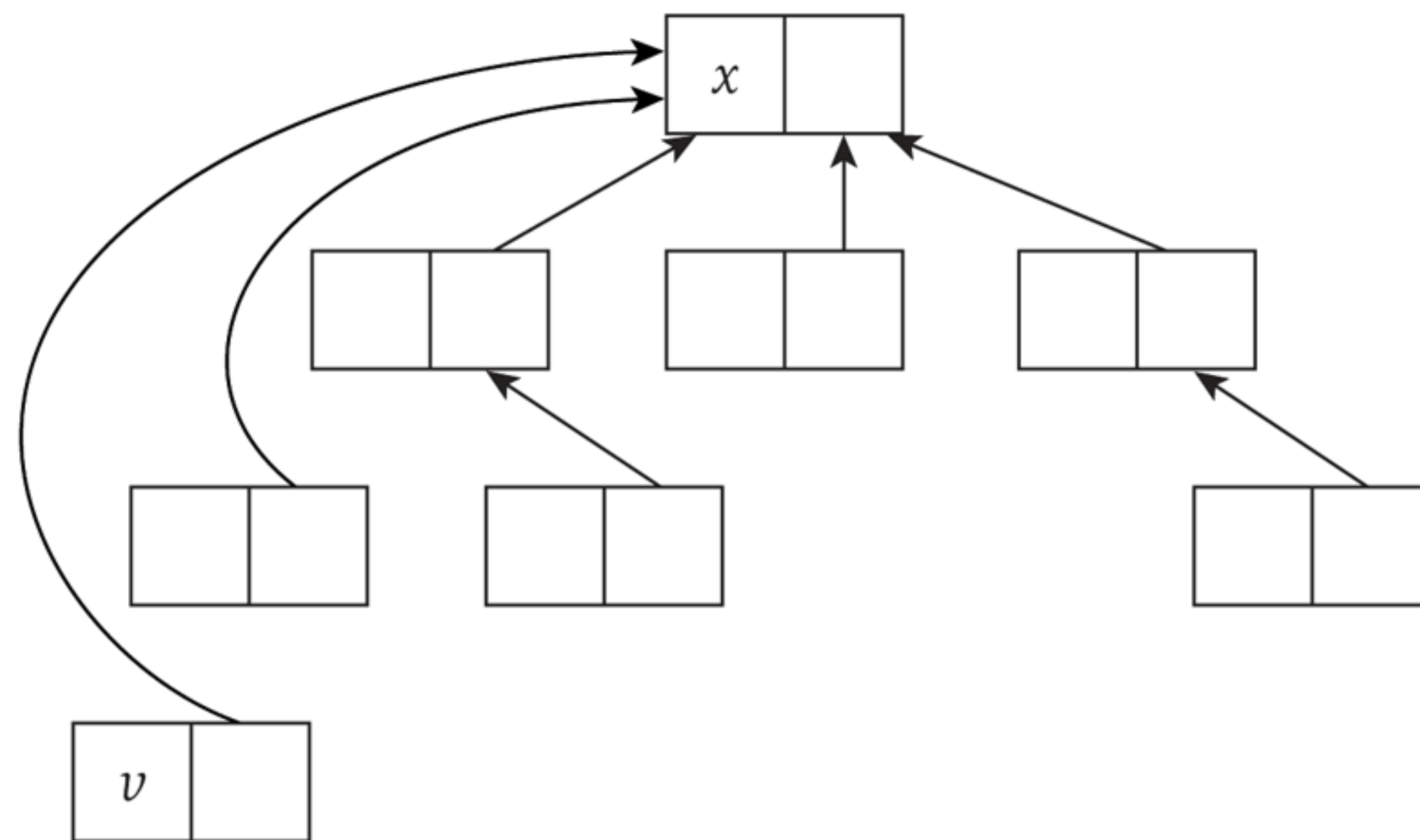Everything on the path from v to x now points directly to x.

(a)

(b)

Figure 4.13 (a) An instance of a Union–Find data structure; and (b) the result of the operation Find(v) on this structure, using path compression.