Union by Ranks and Find with Path Compression

The following shows tree representations of the resulting sets after the execution a sequence of operations of union-by-ranks and find-with-path-compression on the singleton sets $\{1\}, \{2\}, \ldots, \{10\}$.

1) Union(1,2)   2) Union(3,4)   3) Union(5,6)   4) Union(7,8)

5) Union(9,10)   6) Union(1,3)   7) Union(5,7)   8) Union(7,9)

9) Find(1)   10) Union(5,4)   11) Find(7)