Lowest Common Ancestor II

```
class Solution(object):
  def lowestCommonAncestor(self, one, two):
    """
    input: TreeNodeP one, TreeNodeP two
    return: TreeNodeP
    """
    # write your solution here
    if one is None or two is None:
      return None
    len1 = self.getHeight(one)
    len2 = self.getHeight(two)
    short, long, short_len, long_len = None, None,None, None
    if len1 > len2:
      short, long = two, one
      short_len, long_len = len2, len1
    else:
      short, long = one, two
      short_len, long_len = len1, len2
    while long_len > short_len:
      long = long.parent
      long_len -= 1
    while short is not None:
      if short == long:
        return short
      short = short.parent
      long = long.parent
    return None
```