Exercise 1 (7(a))**.** Show that if two words w and v are Knuth equivalent, then removing the smallest k letters from each of w and v (with ties broken in order from left to right) results in two Knuth equivalent words w' and v'. (Hint: It suffices to show it for just one letter removed, and it also suffices to assume that w and v differ by an elementary Knuth move.)

Answer