The classical 2-approximation algorithm for k-center is due to Gonzales [3]. There are also other 2-approximation algorithms. The 5-approximation local search algorithm for k-median is due to Arya et al. [1]. The simpler analysis that I presented appears in [4]. Lloyd [5] algorithm is classical and variations of it are described and used in many places. See for example the recent survey [2].

References


