Divide the *n* elements into groups of 5. Find the median of each 5-element group by rote.
Recursively Select the median *x* of the *n/5* group medians to be the pivot.
Partition around the pivot *x*. Let *k* = rank(*x*).
if *i* = *k* then return *x*

Select(i, n)

elseif i < k

else recursively Select the (i-k)th smallest element in the upper part

then recursively Select the *i*th