Algorithm 1: Quick Sort Tce2

```
1  def quick_sort_tce2(t, ℓ, r):
2      while r − ℓ > 1 do
3          p ← partition(t, ℓ, r)
4          if p − ℓ ≤ r − p then
5              quick_sort_tce2(t, ℓ, p)
6              ℓ ← p
7          else
8              quick_sort_tce2(t, p, r)
9              r ← p
10
```