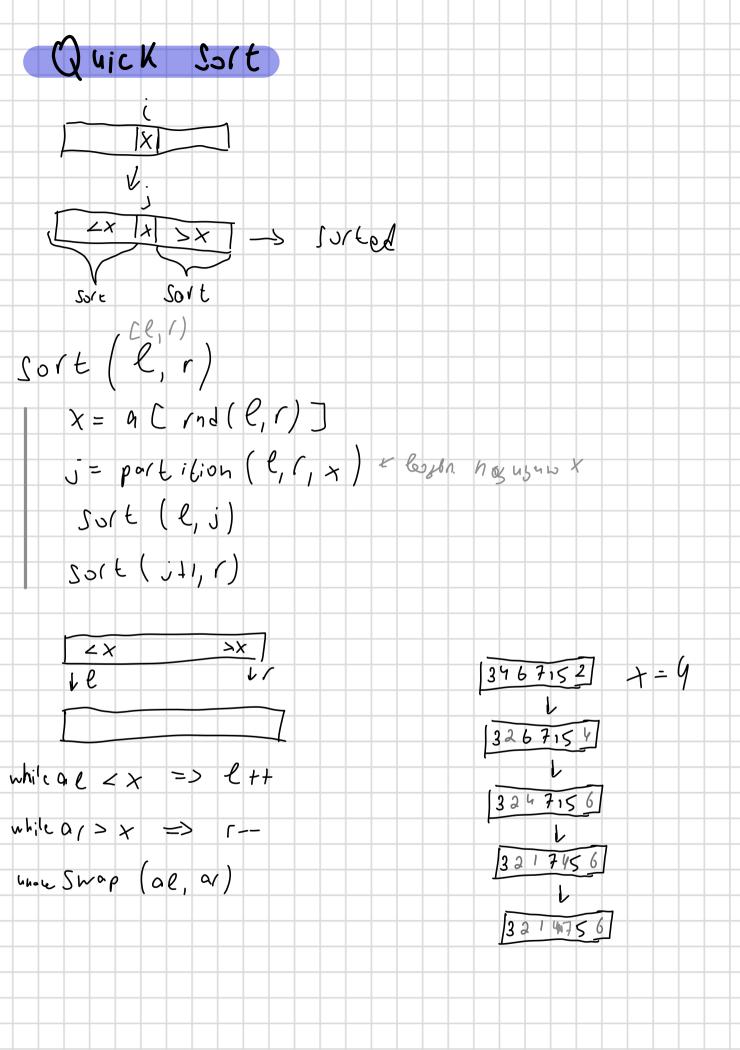
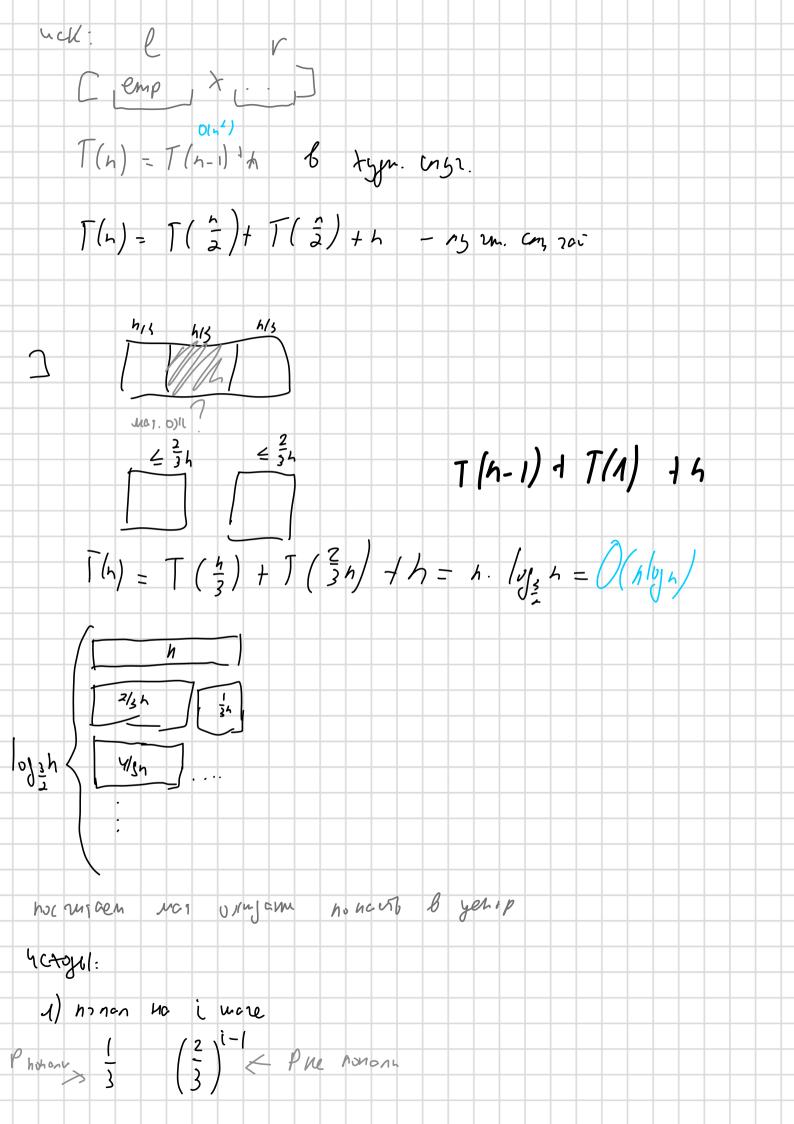


```
cnt[c) = #(c]
  (0/ (j=0...n)
     Cut [aCj][v]]+1
 for (j=1, C)
     posCi]- posCi-1] + cnt[i-1]
 f_{\mathcal{O}}(j=0...h)
    ans t pus [at;] [i]] = a[j]
    ++ [[i][i] a] ++
      i=0 Cnt-[0,2,1,2,5...]
111
333
Postij-nepla Chodzna rznym jne Capo Kh j
Pos - C0,0,2,3,5,5,5
pos(;) = pos[;-1] + cn + [;-1]
```





```
If (aci] -x)
     i + t
     Con Linue
   if (a[j] >x)
     con linue
   Swap (aCi), aCj])
   ( ++
                            T-Kako v TO 740
                                     int partition(a: T[n], int l, int r)
quicksort(a,0,length[a]-1)
                                         T v = a[(l + r) / 2]
void quicksort(a: T[n], int l, int r)
                                         int i = l
  if l < r
                                         int j = r
     int q = partition(a, l, r)
                                        while (i ≤j)
     quicksort(a, l, q)
                                          while (a[i] \le v)
     quicksort(a, q + 1, r)
                                            j++
                                          while (a[j] > v)
                                            j--
                                          if (i \ge j)
                                            break
             1135
                                          swap(a[i++], a[j--])
                                         return j
                  15
```