```
numSnap = 0                                                    1tu
state = before                                                 1tu

for i=0 to totalCount/2, i++{                                  n/2 + 1
    count = 0                                                  1tu
    for currIndex = 0 to currIndex + 1 < totalCount,           n+1
                                          currIndex ++{
        if ( state.get(current)) != state.get(current + 1) {   1tu
            if(currIndex == Dark && currIndex+1 == Light){     3tu
                snap (currIndex)                               1tu
                numSnap++ } }                                  1tu
        count = currIndex } }                                  1tu

    count
for i= to 1, i-- {                                             n
    if (state.get(count-1) != state.get(count)) {              1tu
        if (state.get(count-1) = Dark && state.get(count)      3tu
                                          == Light)
        {
            snap(count-1)                                      1tu
            numSnap++;                                         1tu
        }
    }
}

return sorted_disk                                             1tu
```

1+1 + (n/2 + 1)*[1 + (n+1)*(7) + 6n] +1

(13n^2)/2 + 17n + 11