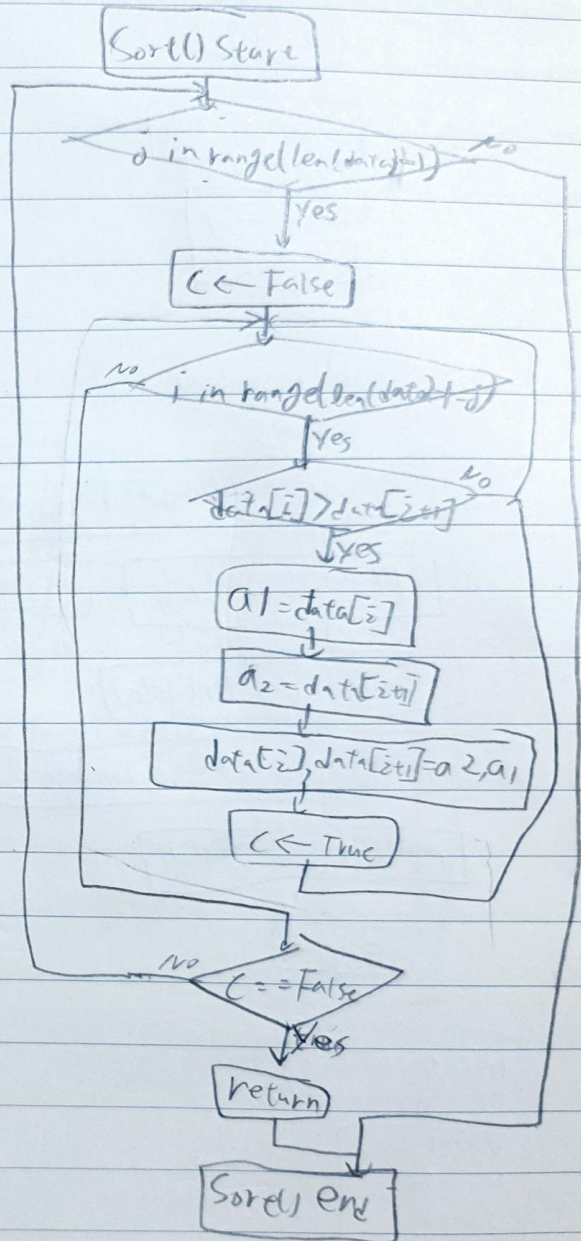
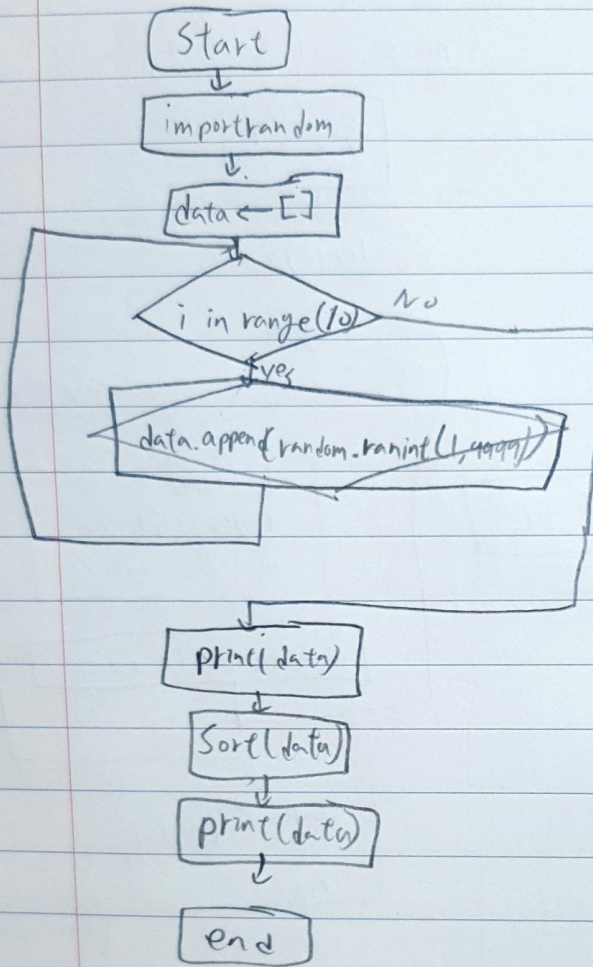
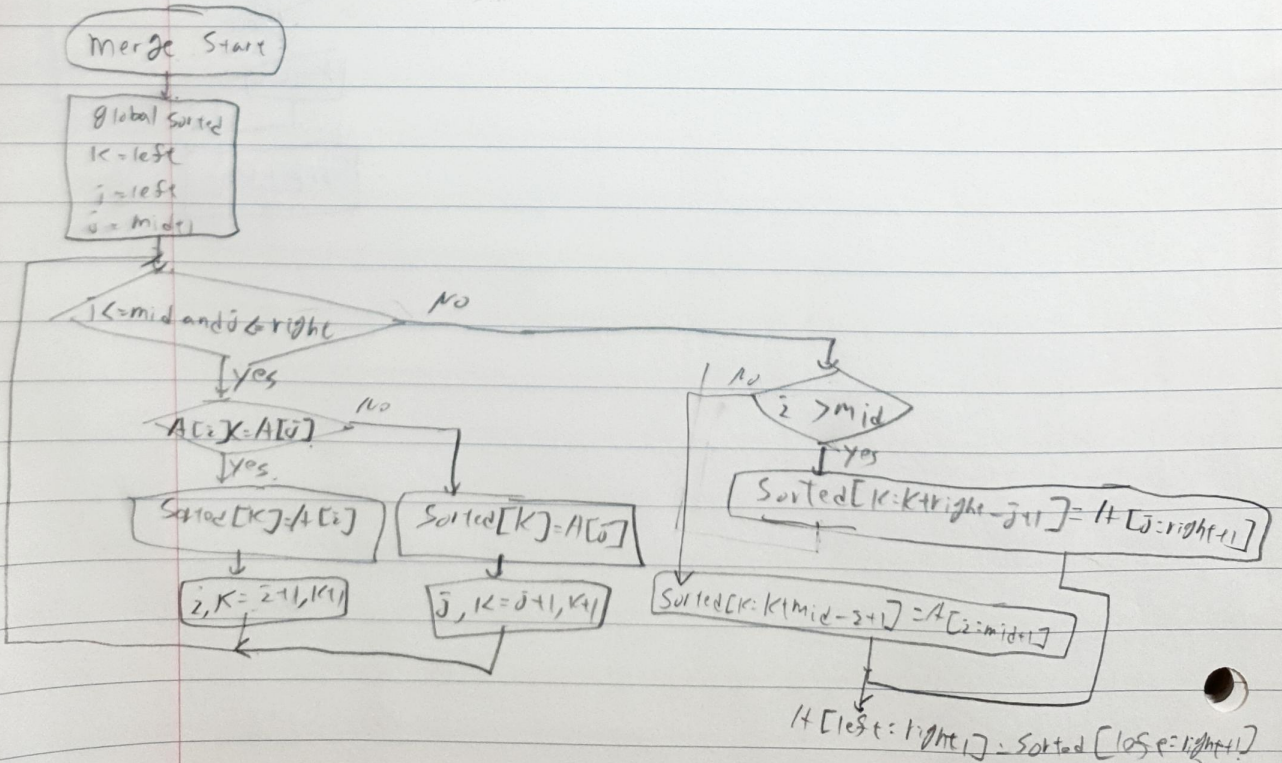
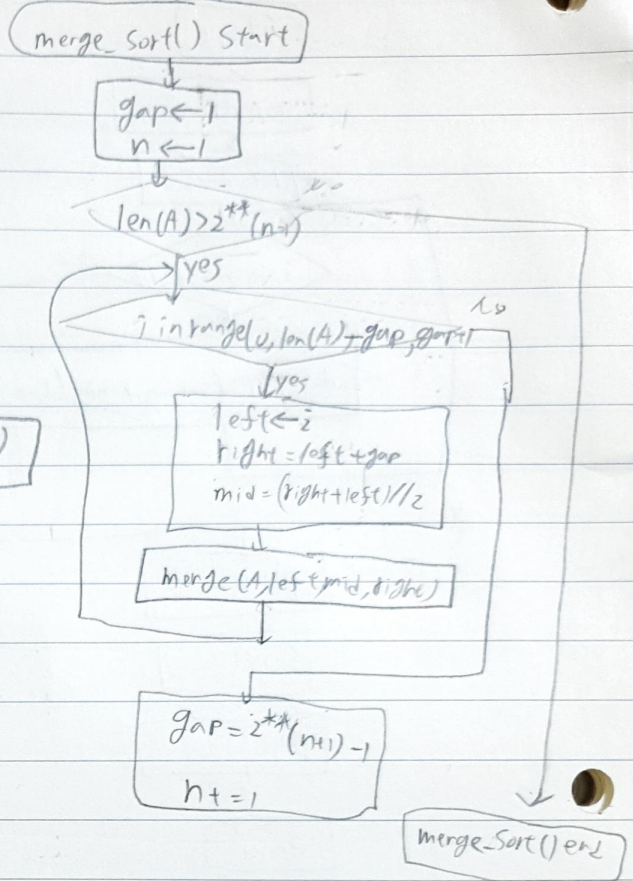
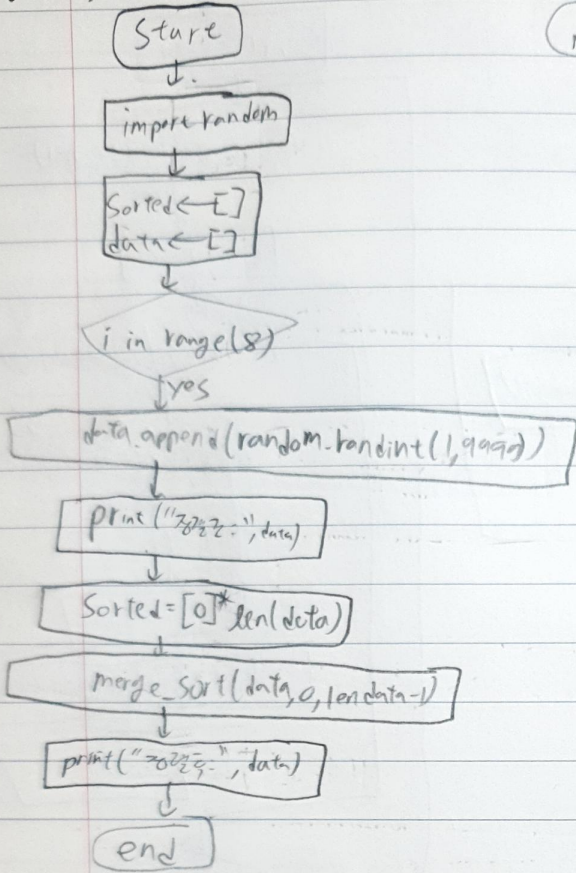


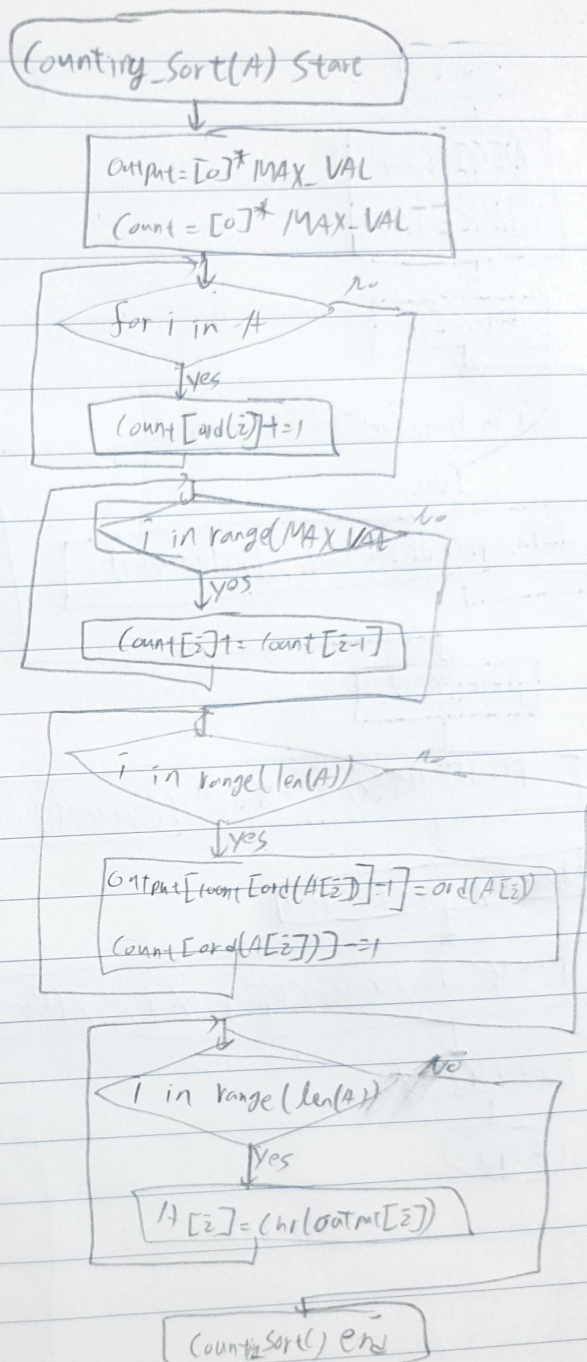
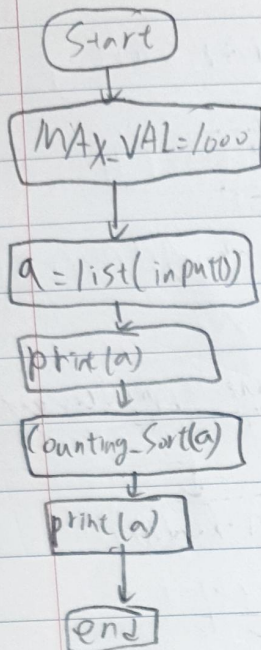
1/2 / 2.1



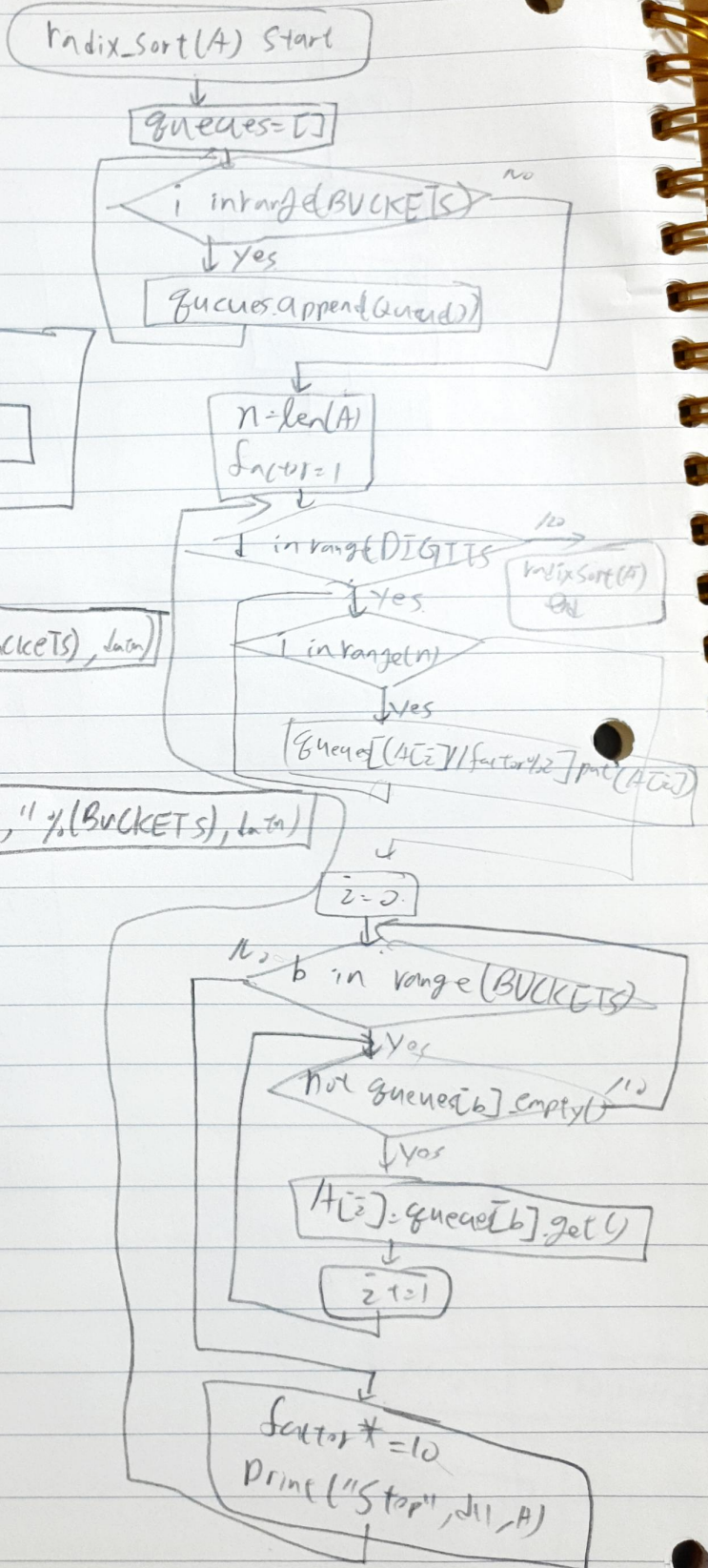
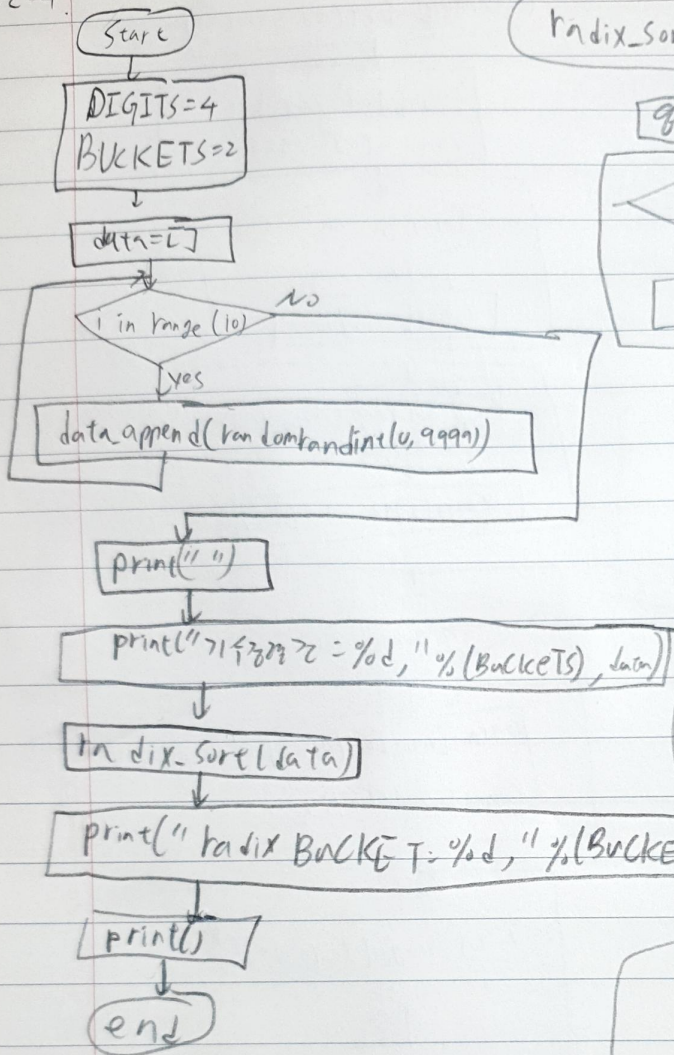
1/2/12-2.



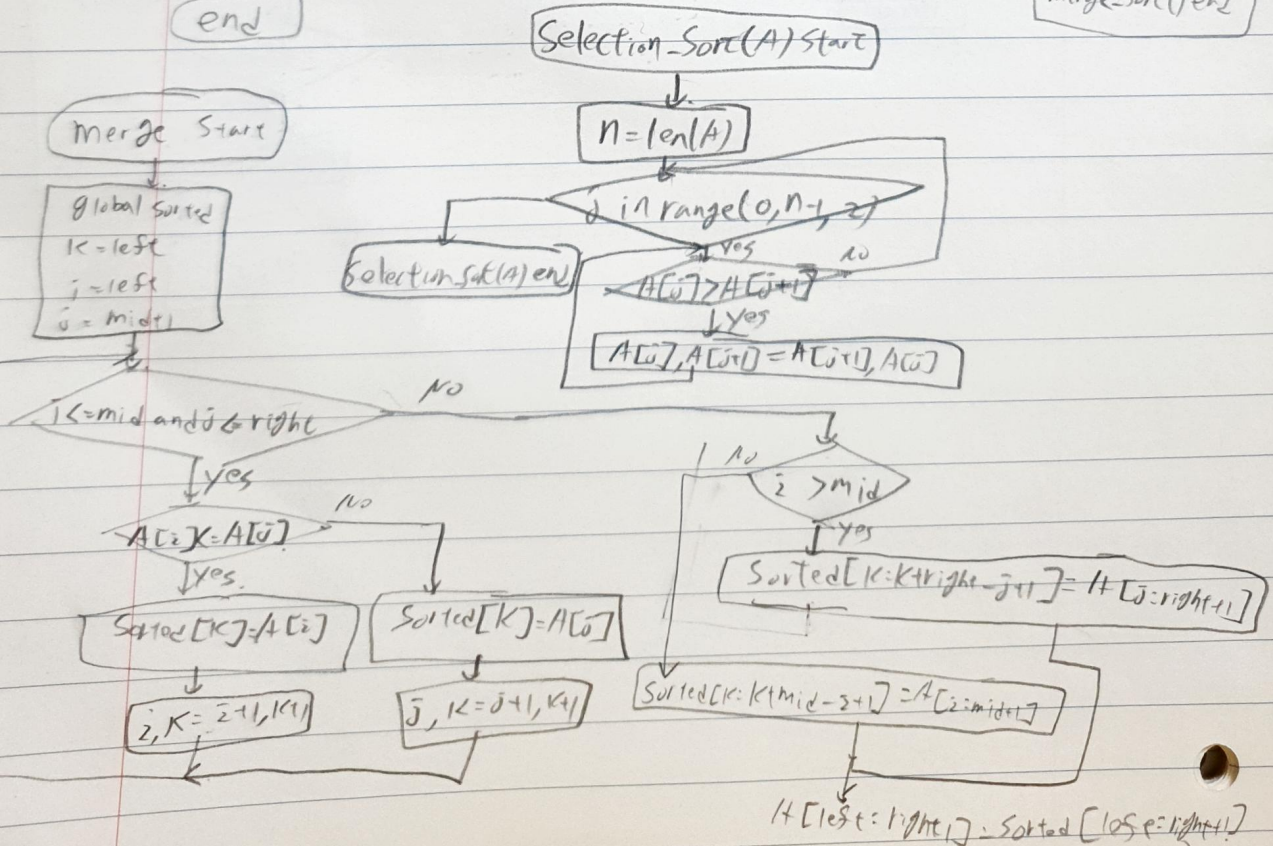
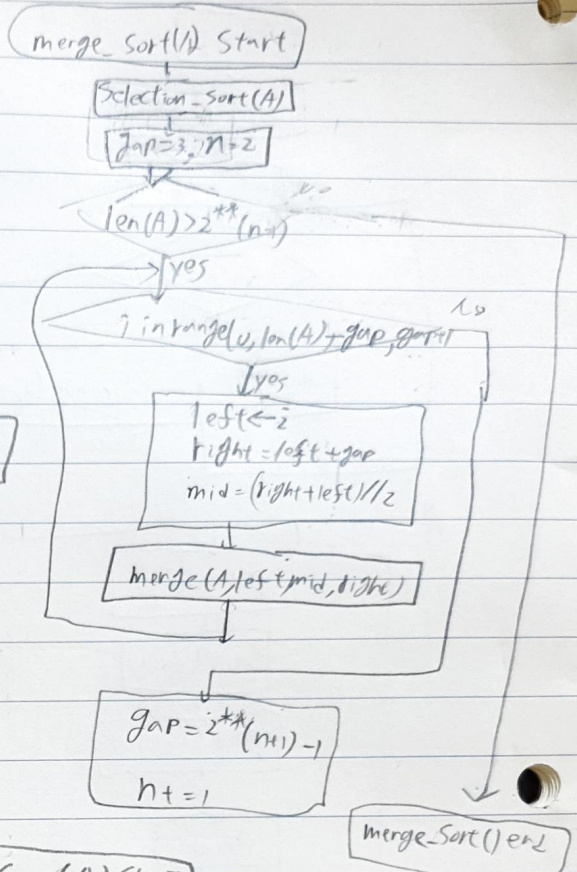
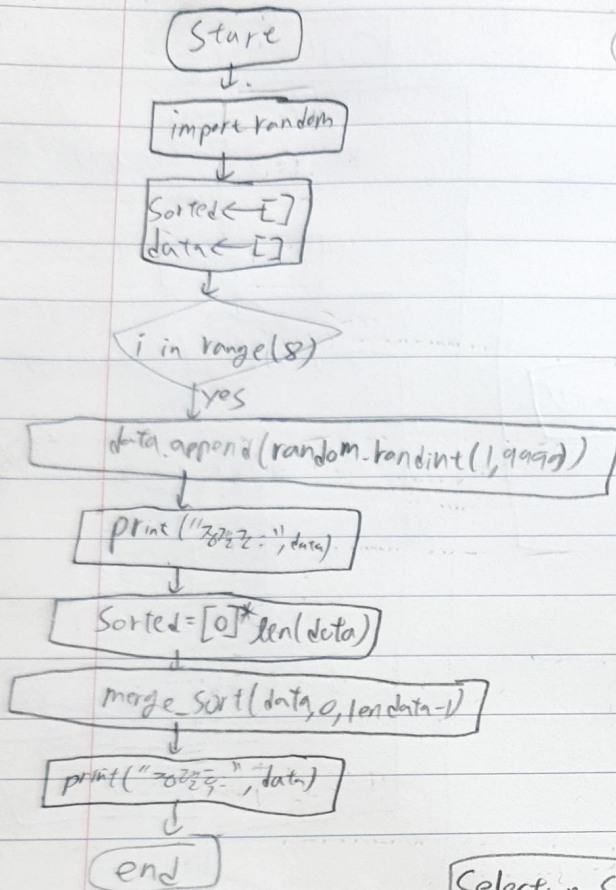
12/12/23



12-4



12-5



$A[left:right+1] = Sorted[left:right+1]$

선형정렬 part 의 시간복잡도 : 2개의 data 를 비교하는 연산을 $166n$ 수행

데이터 개수가 n 개이면 비교횟수 = $\frac{n}{2}n$

$$\approx O(n^2)$$

병합정렬 part 의 시간복잡도 : 각 block 을 병합하는 연산을 수행

$k \log_2 n$ 번 병합단계마다 n 개의 비교연산수행

$$\approx O(n \log_2 n)$$

\therefore 선형정렬 + 병합정렬의 시간복잡도 : $O(n^2 \log_2 n)$