

# Subject: Recitation 11

Year:

Month:

Date:

1.

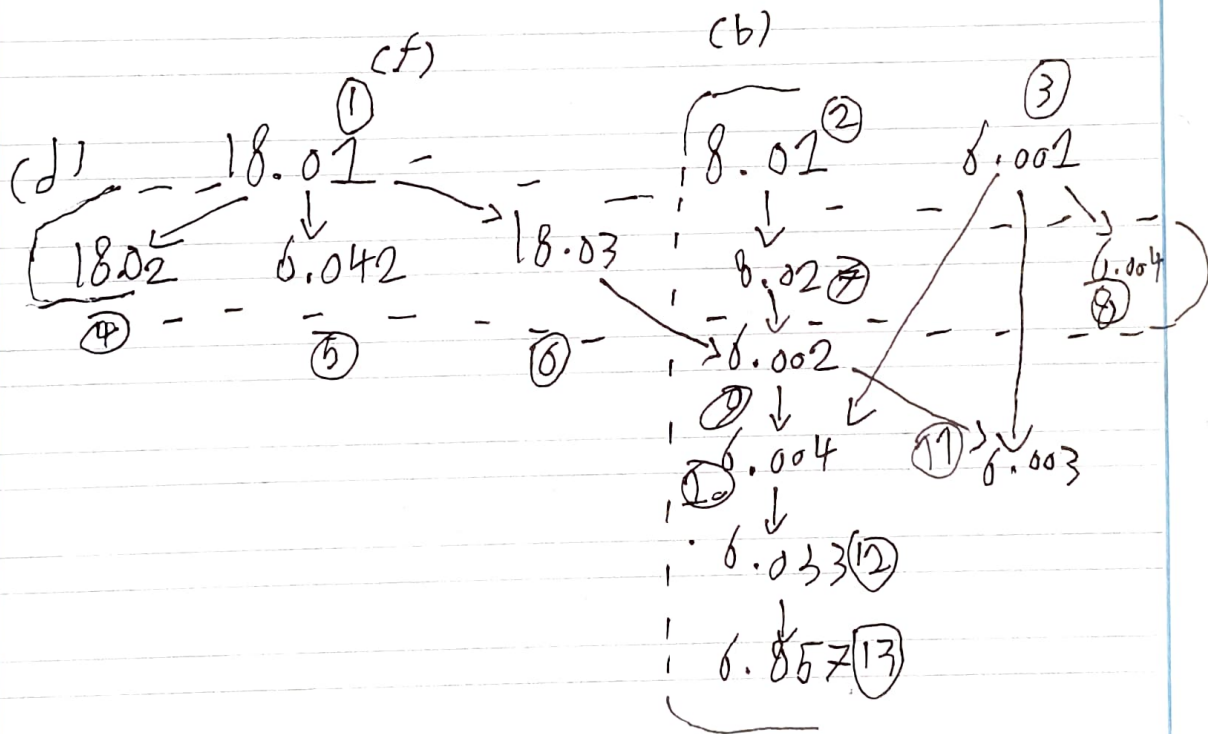
(a)  $\alpha$  each class has remainder  $i \bmod 3$   $0 \leq i \leq 2$

(b)  $k \leq a \leq k+1 \quad k \in \mathbb{Z}^+ \cup \{0\}$

2. (a) Symmetry

(b) Symmetry

3. (a)



(c) 6

(d) 5

(e) 8

(f) 6

(i) length of longest chain  $\sqrt{\text{length of to sort}}$

k