


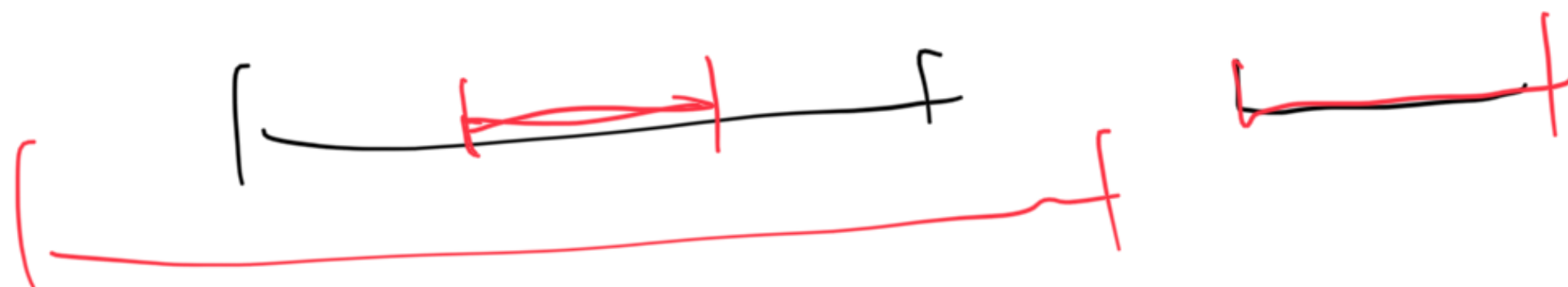
u, v

$d(u)$

$f(u)$



$d(v)$ $f(v)$

$d(u)$ $d(v)$ $f(u)$ $f(v)$





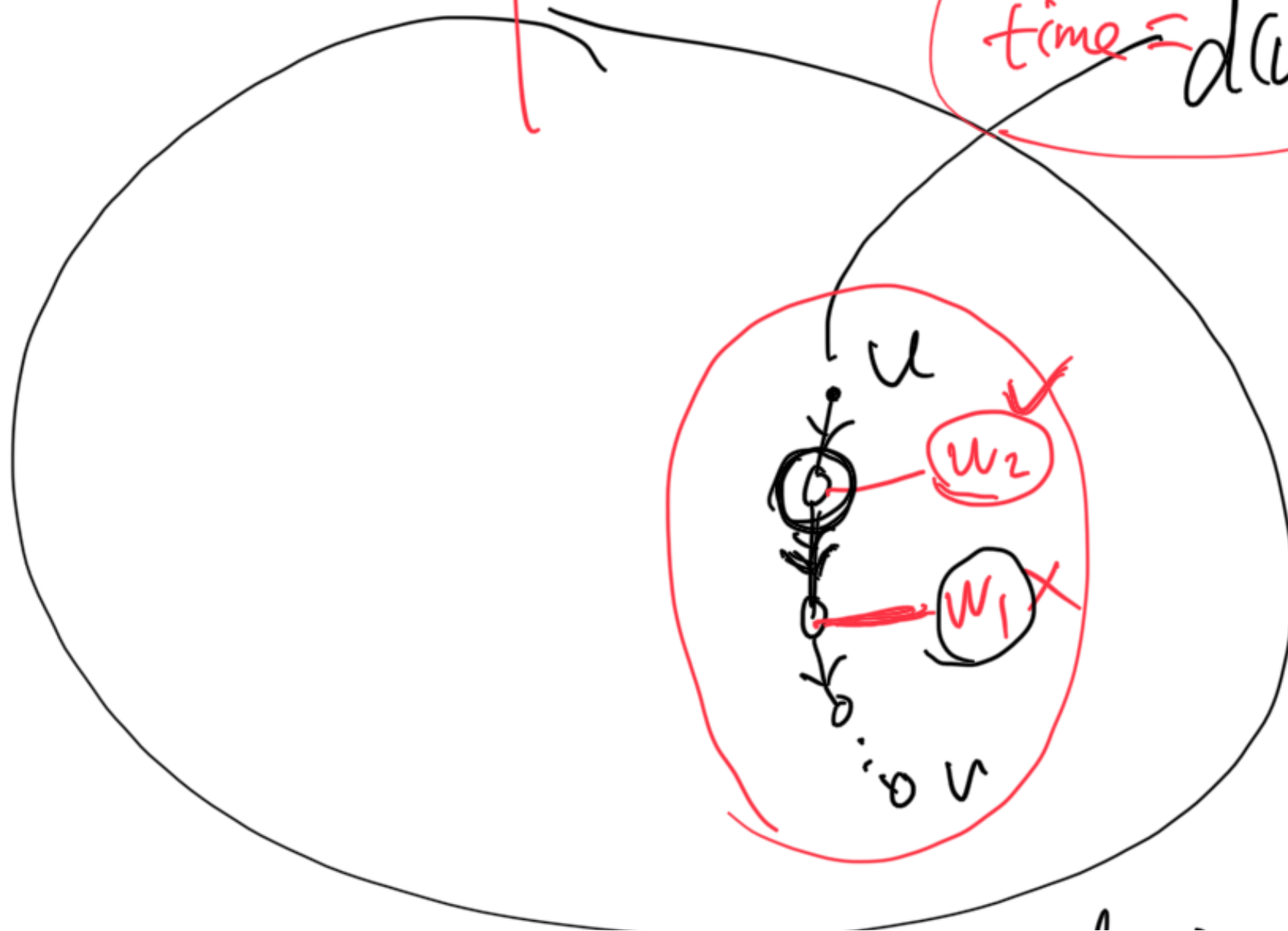

$$d(u) < d(v) < f(v) < f(u)$$

$$\underbrace{d(a) \quad d(b) \quad f(b)}_{\text{}} \quad \underbrace{d(c) \quad f(c) \quad f(a)}_{\text{}}$$

G

$\text{time} = d(u)$

G



DFS Tree



$$d(u) < (d(v_1)) < f(v_1) < f(u)$$

$$d(u) < d(w_2) < f(w_2) < f(u)$$

$$(d(u) < d(w_1))$$

$$d(u) < (d(w_1) < f(w_1)) < f(w_2)$$

$$d(u) < d(w_1) < f(w_1) < f(u)$$

