2.13 (a, d, g, h)

a)
$$T(w) = T(w-1) + O(1), w > 1$$
 $T(w) \le T(w-1) + C \le T(w-2) + 2C \le T(w-n) + wC = O(n)$
 $T(w) \le T(w-1) + C \le T(w-2) + 2C \le T(w-n) + wC = O(n)$
 $T(w) \le T(w-1) + C \le T(w-1) + C + C = T(w-1) + T(w-1) + C = T(w-1) + C = T(w-1) + T(w-1) + T(w-1)$

8)
$$T(u) = \frac{1}{10} \frac{1}{100} \frac{1}{100} + \frac{1}{100} \frac{1}{100} \frac{1}{100} + \frac{1}{100} \frac{1$$