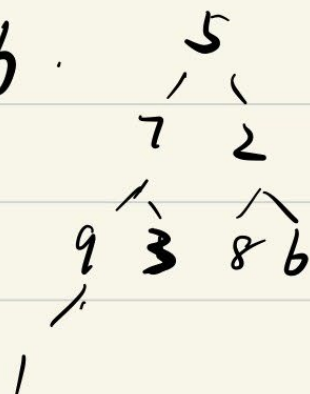
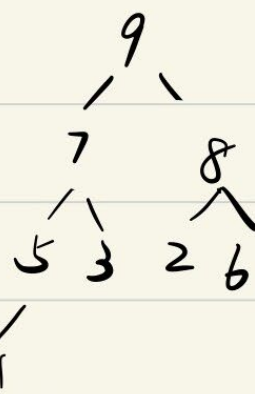


26.

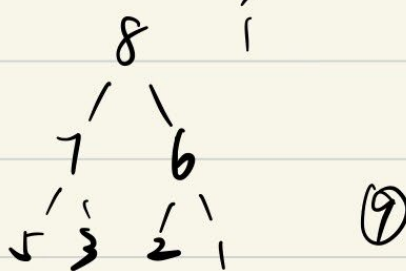


堆化后:



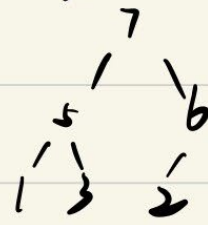
删除

1°



⑨

2°



⑧

3°



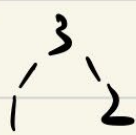
⑦

4°



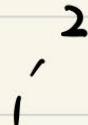
⑥

5°



⑤

6°



④

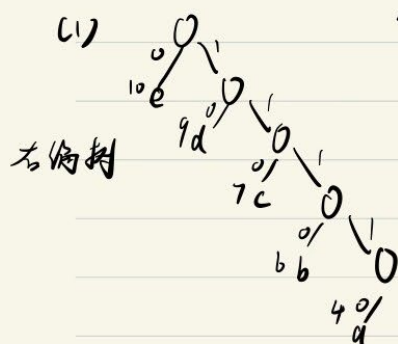
7°



③

abcde

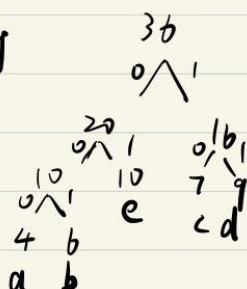
4 6 7 9 10



a(1110) b(1110) c(110) d(10) e(0)

$$WGP = 5 \times 4 + 4 \times 6 + 3 \times 7 + 2 \times 9 + 10$$
$$= 93$$

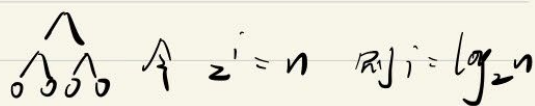
平夫曼树



$a(000) \quad b(001) \quad c(01) \quad d(10) \quad e(11)$

$$\begin{aligned} W_{\text{Sp}} &= 3 \times 4 + 3 \times 6 + 2 \times 10 + 2 \times 7 + 2 \times 9 \\ &= 82 \end{aligned}$$

WJ.

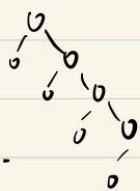


家无爱树

$$W_{P_1} = 1 \times W \times 2^1 = 1 \cdot 2^1 W$$

右偏树

$$W_{B_2} = W + 2W + 3W + 4W + \dots + iW$$



$$= (2^i + 1) 2^{i-1} w$$

$$\frac{w_{sp1}}{w_{sp2}} = \frac{i \cdot 2^i}{(2^{i+1}) \cdot 2^{i-1}} = \frac{2^i}{2^{i+1}} = \frac{2 \log_2 n}{n+1}$$