

P66. 1

有 $n-1 = \sum_{k=1}^K k$ 个.

$$(n-1) \text{ 条边. } \sum d = 2(n-1) = \sum_{i=1}^K i n_i, \quad n = \sum_{i=1}^K n_i = \sum_{i=2}^K n_i + n_1$$

$$\Rightarrow n_1 = 2 + \sum_{i=3}^K (i-2) n_i$$

P67. 12

$$\sum d_u = \sum d_v = |E| = i+t-1$$

共 $i+t$ 个 node, 有 $\frac{(i+t-1)}{2}$ 条 edge.

$(i+t) \% m = 0$, 因为完全, 出度之和 = $i+t-1$, 每个出度 = 0 或 m .

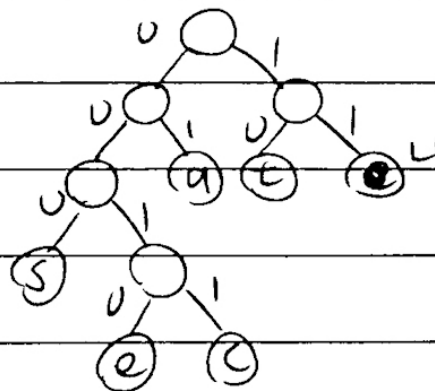
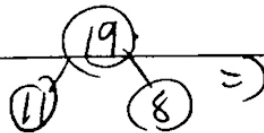
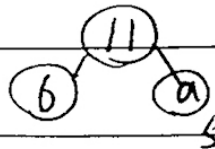
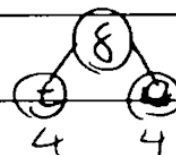
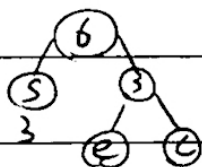
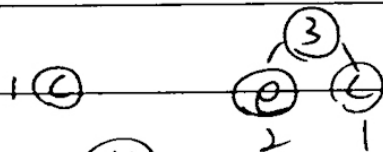
\therefore ~~是~~ i 是 ~~有~~ 出度 $\neq 0$ 的点, i 的出度 $\neq m$.

$$\therefore m i = i+t-1 \Rightarrow (m-1)i = t-1$$

P67. 14

state \sqsubset act \sqsubset us \sqsubset a \sqsubset sent.

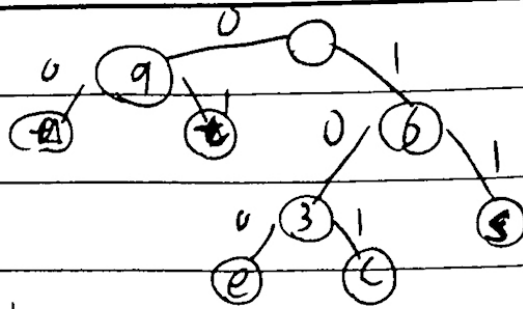
~~s~~ ~~k~~ ~~a~~ ~~e~~ ~~l~~ ~~s~~
3 4 5 2 4 1



$\therefore a: 01, t: 10, \sqsubset: 11$

s: 000, e: 0010 c: 0011

~~s~~ ~~t~~ ~~a~~ ~~e~~ ~~c~~
~~3~~ ~~4~~ ~~5~~ ~~2~~ ~~1~~



a: 00, t: 01

e: 100, c: 101, s: 11

P68. 16

