2

(2)

设有k片树叶

$$2*m = 2*4 + 3*3 + k$$

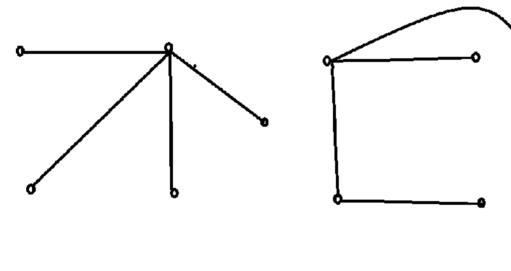
$$n = 2 + 3 + k$$

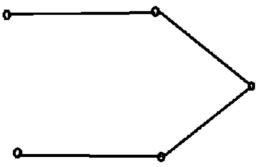
$$m = n - 1$$

联立解得k=9

T中有9片树叶

3





有三颗非同构的生成树

4

c --abc

e--abed

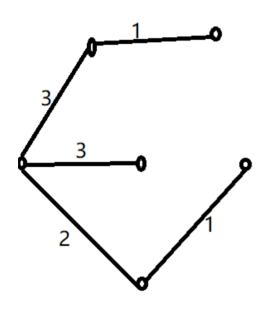
f--dgf

h--abhgd

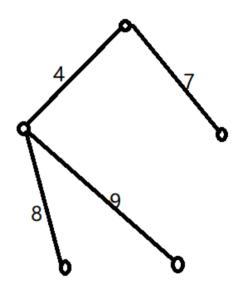
(2)

T的树枝a,b,d,g,对应的基本割集系统为{a,c,e,h},{b,c,e,h},{d,e,h,f},{g,f,h}

5



10



28

6

(1)

$$((a+b*c)*d-e)/(f+g)+h*i*j$$

(2)

$$+/-*+a*bcde+fg**hij$$

(3)

$$abc*+d*e-fg+/hi*j*+$$

8

简单图:不含环和平行边

10

在树中, 仅有分支点和树叶点

故

i+t=n

又因边数m为i*r

m=n-1

$$i+t=i*r+1 \leftrightarrow t=i*(r-1)+1$$