

1.  $K_n$  完全圖,  $\text{nodes} = n$ ,  $\text{edges} = \binom{n}{2} = \frac{n(n-1)}{2}$

2.  $K_{m,n}$  雙分圖,  $\text{nodes} = m+n$ ,  $\text{edges} = mn$

3.  $C_n$  環圖,  $\text{nodes} = n$ ,  $\text{edges} = n$

4.  $W_n$  輪圖,  $\text{nodes} = n+1$ ,  $\text{edges} = 2n$

5.  $Q_n$  超立方體,  $\text{nodes} = 2^n$ ,  $\text{edges} = n2^{n-1}$

關係大小:-

$\text{well-ordered set} \subseteq \text{total-ordered set} \subseteq \text{partial-ordered set}$

數學歸納法是建立在 well ordered 上