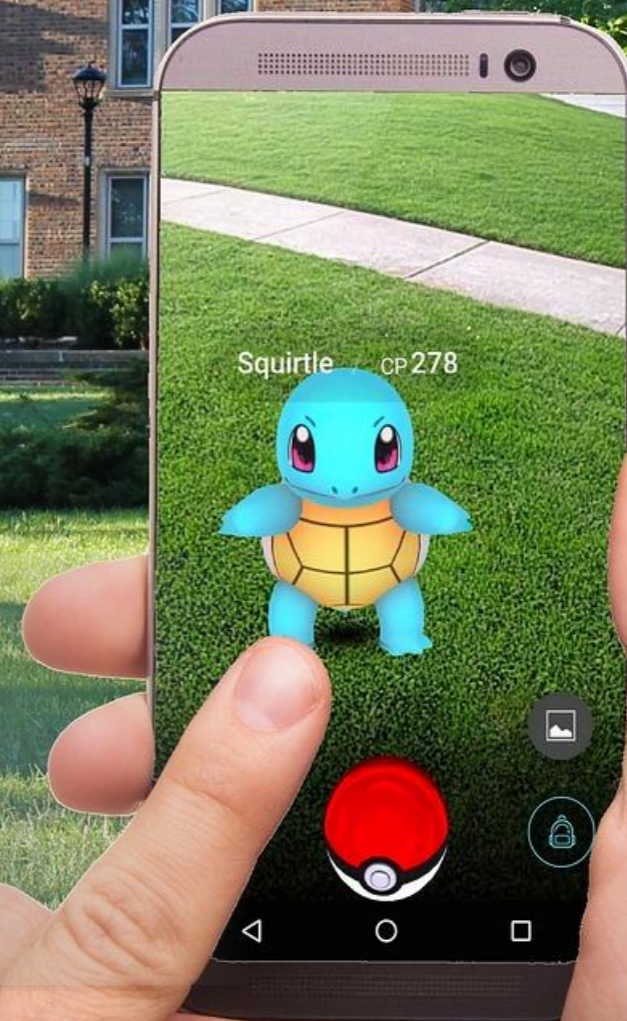


寶可夢的大師之路

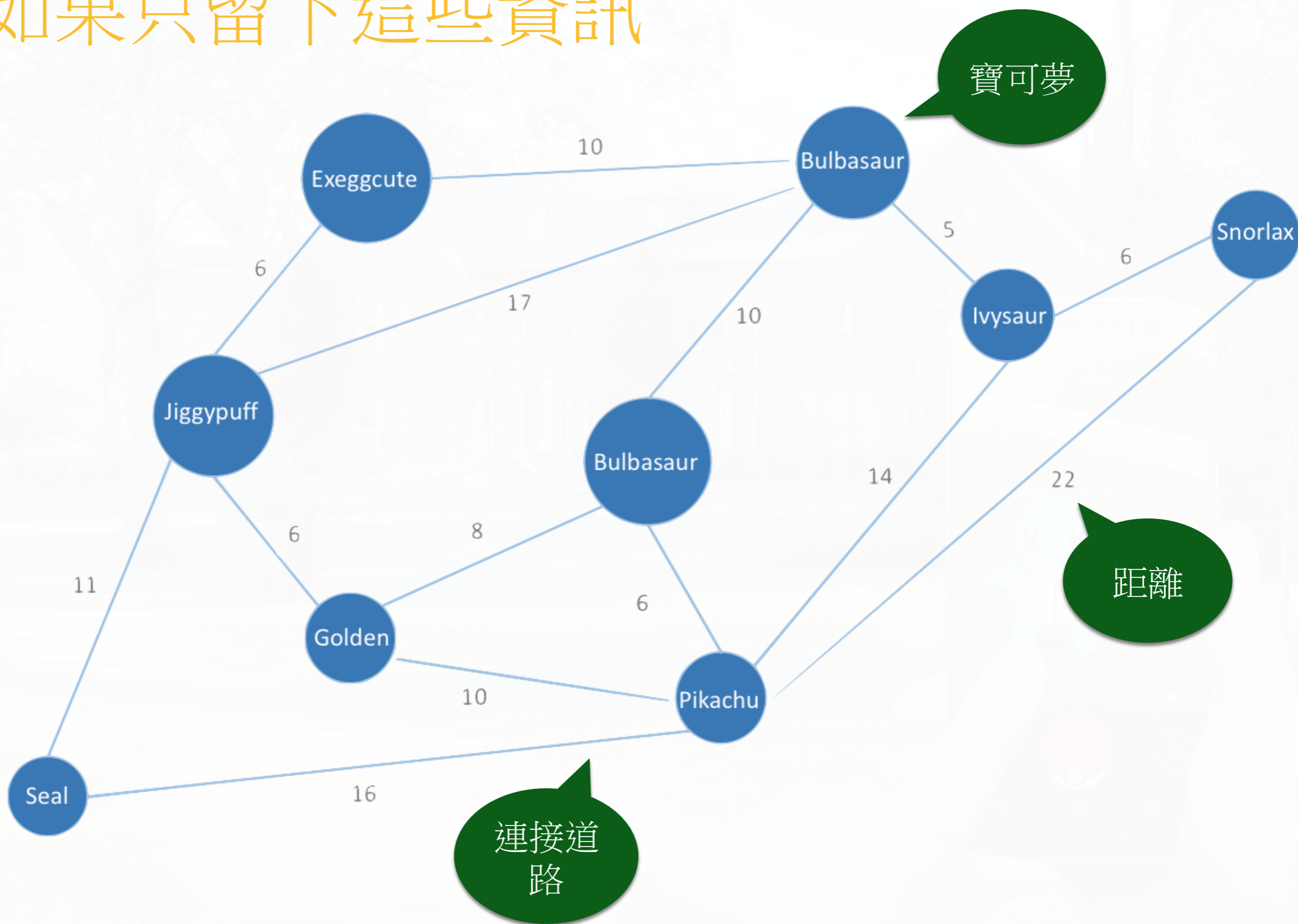
旅行推銷員問題



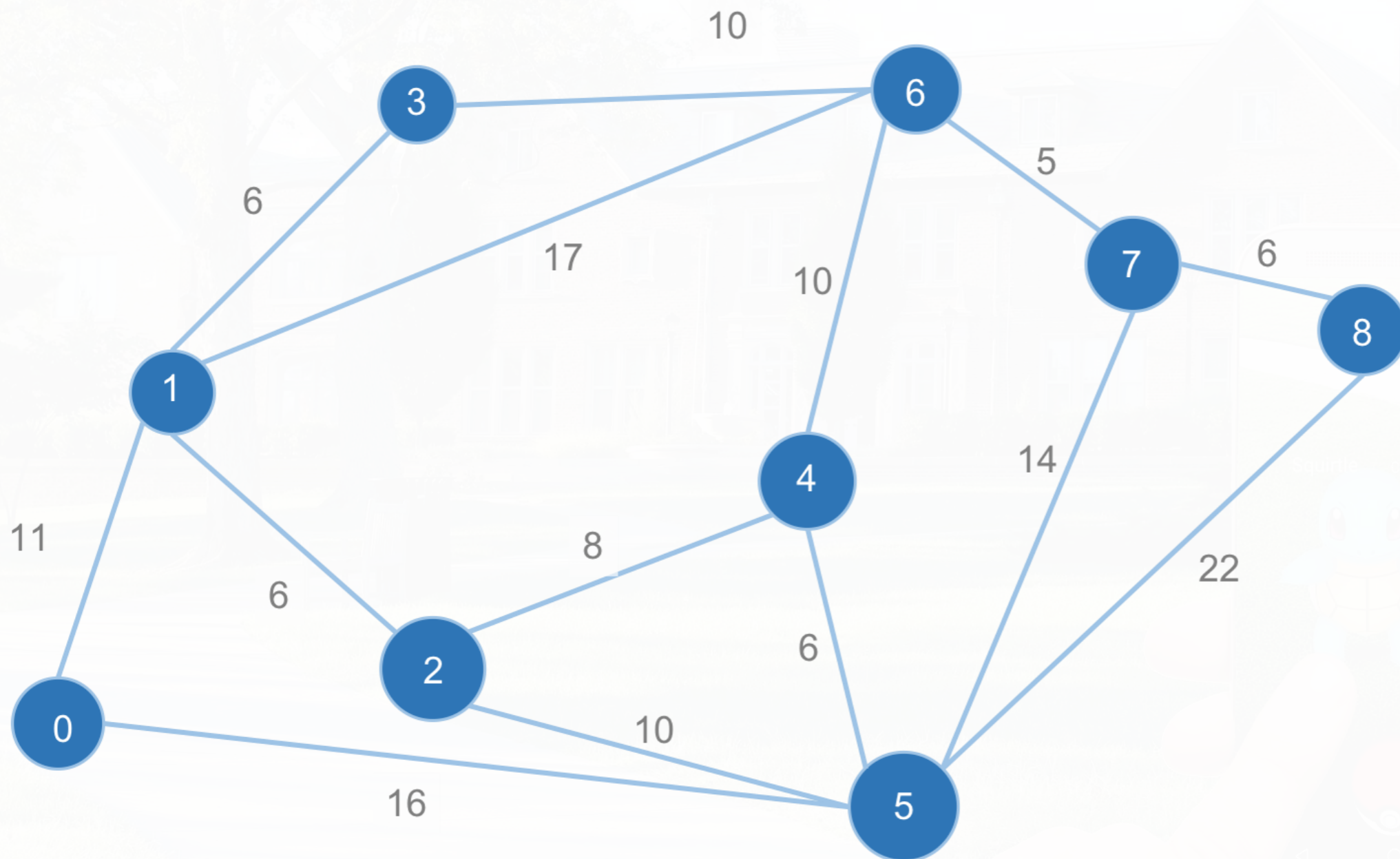
圖片中最重要資訊?



如果只留下這些資訊



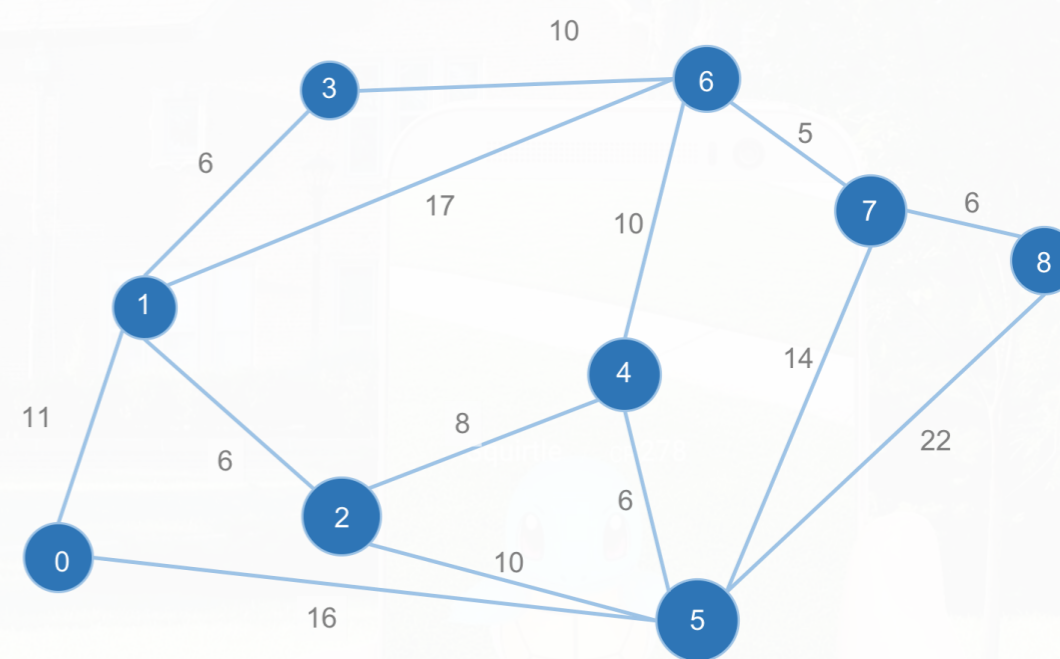
如果幫寶可夢編號...



0	Seal
1	Jiggypuff
2	Golden
3	Exeggcute
4	Bulbasaur
5	Pikachu
6	Bylbasaur
7	Ivysaur
8	Snorlax

二維陣列

	[0]	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
[0]	0	11				16			
[1]	11	0	6	6			17		
[2]		6	0		8	10			
[3]		6		0			10		
[4]			8		0	6	10		
[5]	16		10		6	0		14	22
[6]		17		10	10		0	5	
[7]						14	5	0	6
[8]						22	6	6	0



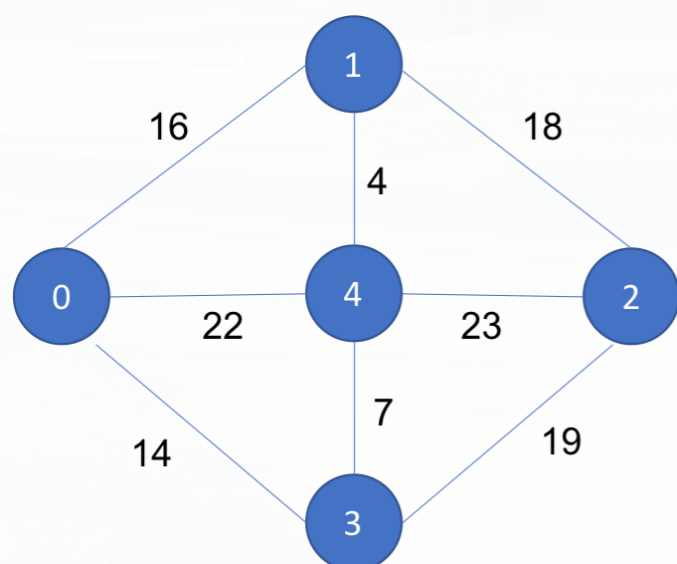
所以怎麼找出一條路？

- 嘗試所有狀況？（暴力解）
- 貪心法？



暴力解 (Brute force)

	[0]	[1]	[2]	[3]	[4]
[0]	0	16		14	22
[1]	16	0	18		4
[2]		18	0	19	23
[3]	14		19	0	7
[4]	22	4	23	7	0



• 拜訪順序

0 1 2 3 4

$$16+18+19+7+22 = 82$$

0 1 2 4 3

$$16+18+23+7+14 = 78$$

...

0 1 4 2 3

$$16+4+23+19+14 = 76$$

...

4 3 2 1 0

$$7+19+18+16+22 = 82$$

找出最小值

暴力解 (Brute force)

	[0]	[1]	[2]	[3]	[4]
[0]	0	16		14	22
[1]	16	0	18		4
[2]		18	0	19	23
[3]	14		19	0	7
[4]	22	4	23	7	0

