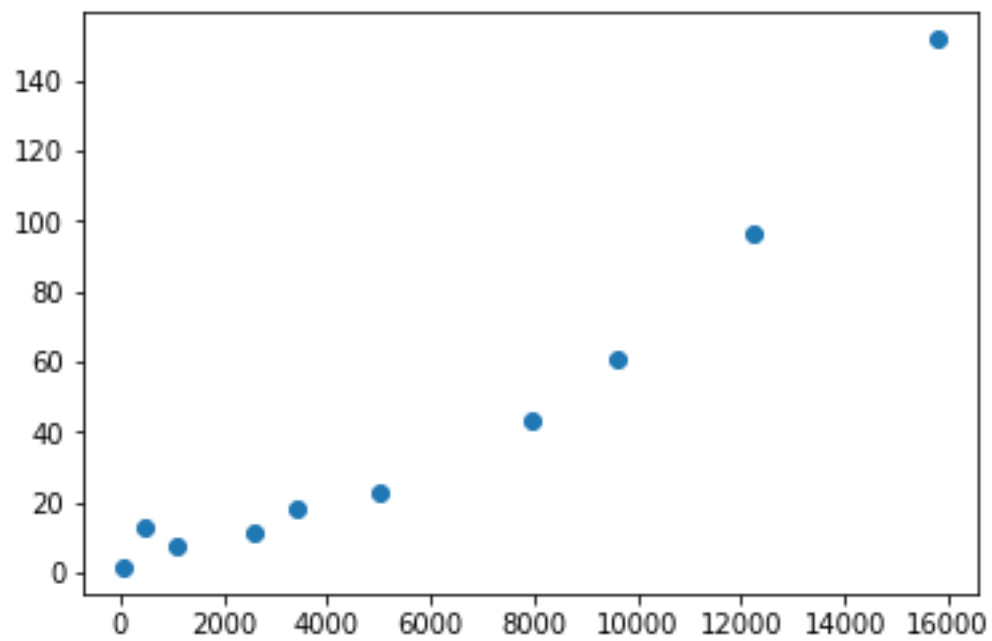
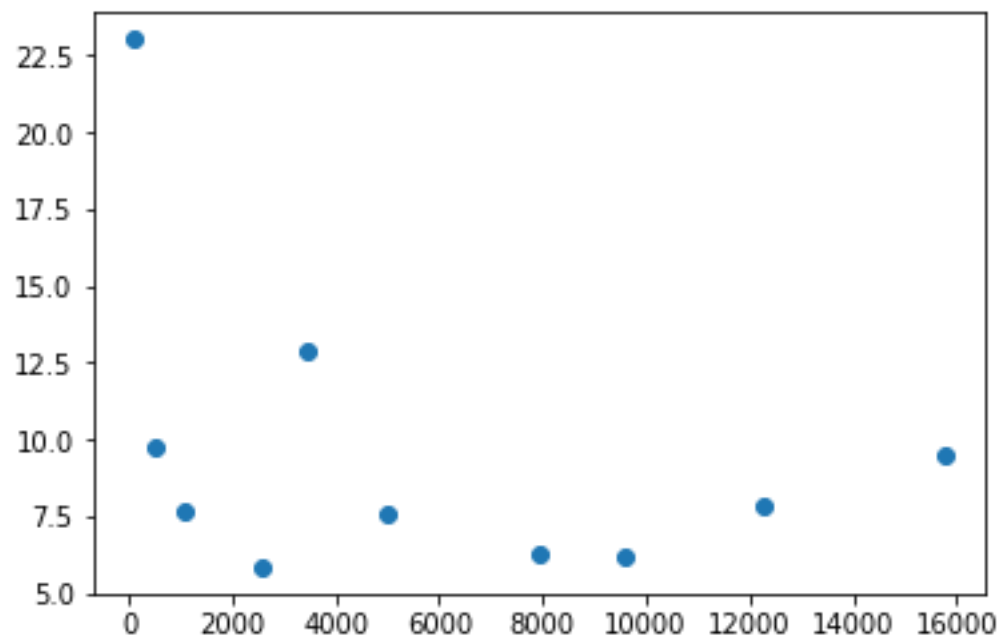


P1-(c)

1.insertion sort



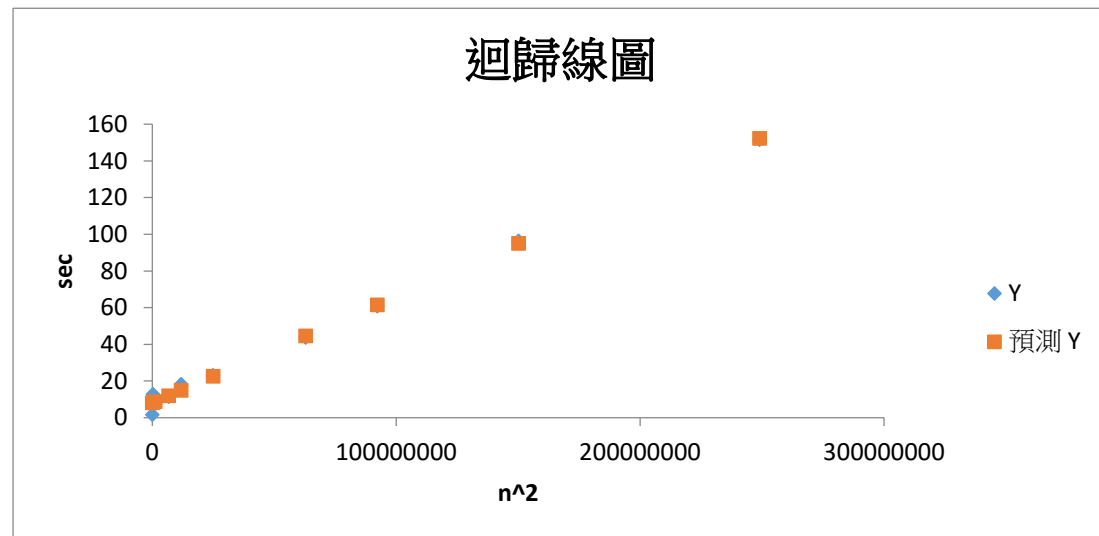
2.merge sort



(x 軸接為樣本大小，y 軸皆為秒)

P1-(d)

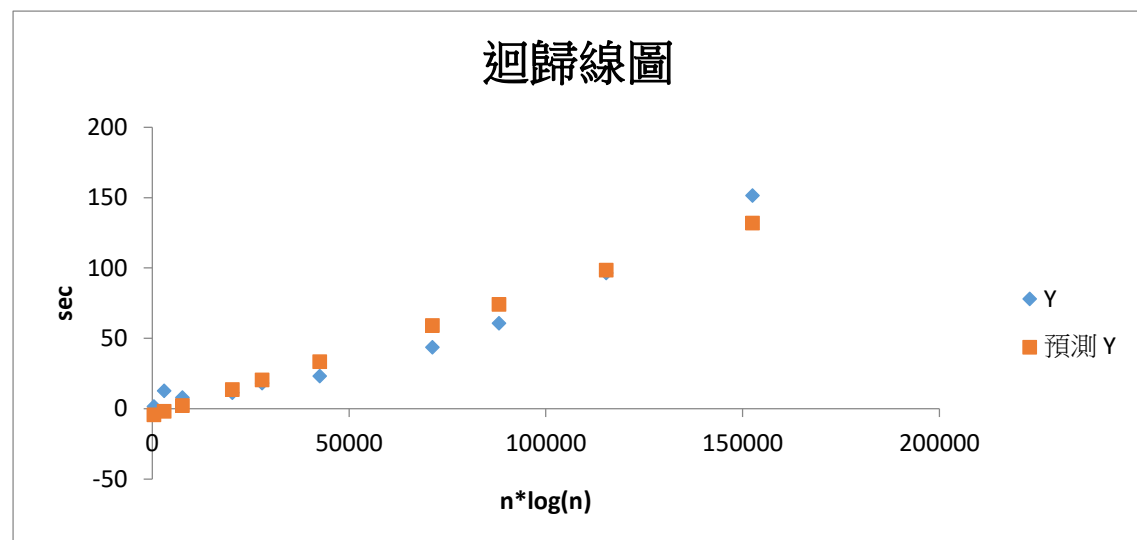
1. Insertion sort



$$T(n) = 5.78734971374141E-07 * n^2 + 8.05115222119316$$

	係數	標準誤	t 統計	P-值
截距	8.051152	1.2445	6.469385	0.000194
		1.26E-		
N^2	5.79E-07	08 45.99077	5.52E-11	

2. Merge sort



$$T(n) = 0.00089487358041356 * n * \log(n) + (-4.62011891832959)$$

	係數	標準誤	t 統計	P-值
截距	-4.62012	5.704622	-0.80989	0.441425
n log n	0.000895	7.88E-05	11.36264	3.25E-06