

HW1 Selection Sort, Bubble Sort and Binary Search

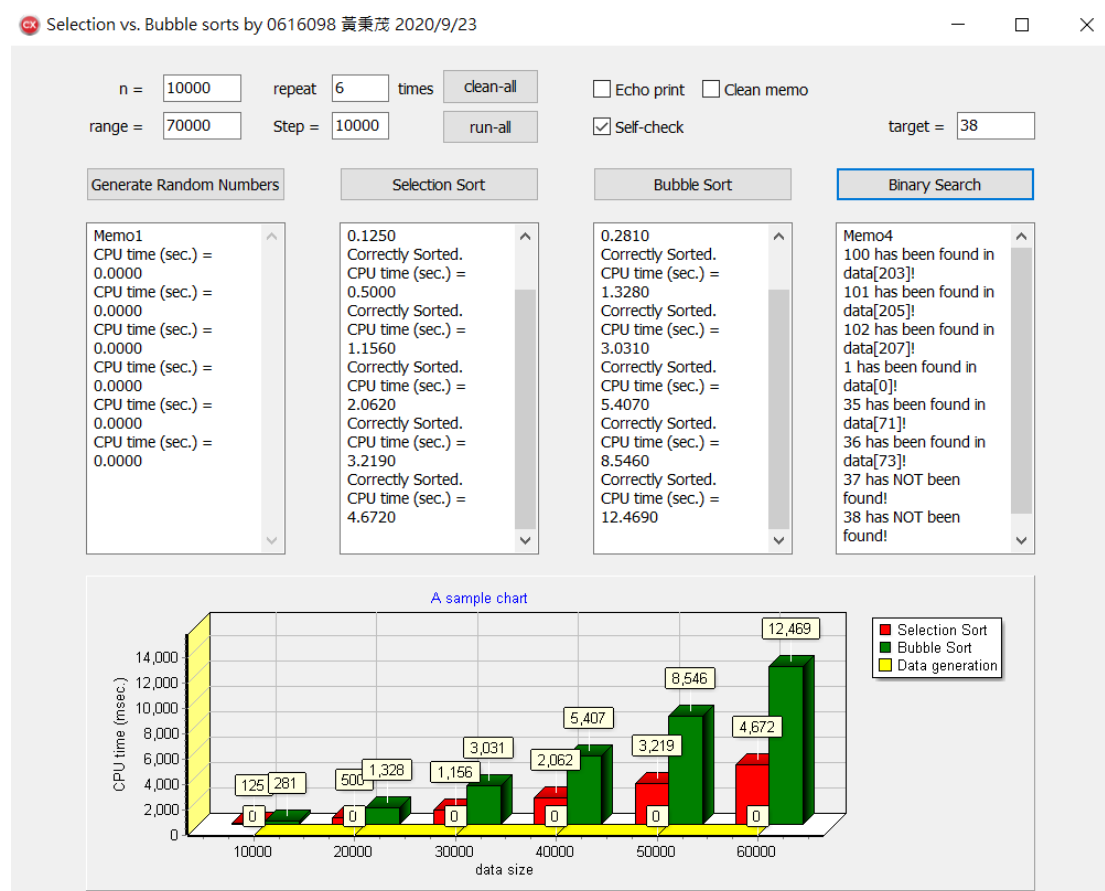
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CPU time (sec.)利用 FloatToStrF，結果會是四捨五入到小數點第四位

Chart 的縱軸 CPU time 單位是 msec.而非 sec.，是為了放大數值

run-all 會一次執行 'Generate Random Number'，'Selection Sort'，and 'Bubble Sort'，次數和資料成長量可靠輸入控制。其他 button 皆是只執行一次，但也會加入 Chart

執行結果：



Edit :

n : data size

range : data ranging in [1, range]

repeat : repeat times

Step : 每到新的 iteration , 會增大多少個 data size

target : the target use 'Binary Search' to find

Button :

Generate Random Number : generate n random numbers

Selection Sort : sort n random numbers with 'selection sort'

Bubble Sort : sort n random numbers with 'bubble sort'

Binary Search : find target with 'binary search'

clean-all : clean all the memos and chart and initialization

run-all : run 'Generate Random Number' , 'Selection Sort' , and

'Bubble Sort' respectively many times, and draw the result on the

chart

Check-box :

Echo print : print each data with index in array

Self-check : check if the array is sorted

Clean memo : clean the memo before printing output