

Tests in Exercise 1 of Chapter 3

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So finally I decided to run some tests for this exercise, as it was asked in the book. It was not easy to find how to generate a sorted array of a given size, nor to find how to calculate how long something takes.

So, I generated arrays of a given size, the size of the array was equal to the maximum possible element in the array. And for each size I ran 200 tests, as it can be seen in the source code (it's not that complicated, it's defined with `#define`'s).

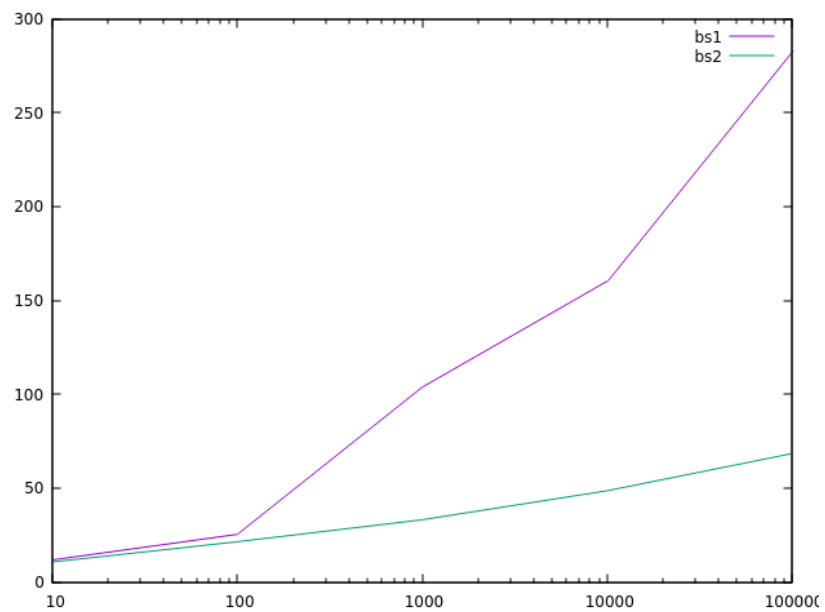
So, I have two procedures:

- `bs1`, which makes only one comparison per cycle
- `bs2`, which makes two comparisons, but has the possibility to not run until the end.

So which one would win?

These are the results:

SZ,MAX	bs1	bs2
10	11.7	10.6
100	25.3	21.4
1000	103.8	33.1
10000	160.3	48.6
100000	282.7	68.4



So ok, for some reason this bs1 thing doesn't work as expected... It must be that it always goes until the end and perhaps has a little bit more of operations inside of it...