3. Triplicates in four lists

**Theoretical analysis of runtime:**

4. **When is sorting profitable?**

**i. Based on your experiments, what is the break-even S?**

When we conducted the experiment on one of our computers, we found out that the break-even S was around 3000 searches for randomly generated integers.

**ii. If you run the experiment multiple times, does the result differ? If so, how could you get more accurate results?**

We found out that the runtime increased based on how many search hits we got. We tried to implement a loop around the search-calls, and run them 10-1000 times, calculating the average time.

Running the experiment multiple times and calculating the average runtime will give a more accurate indication of the mean runtime of the algorithm.