HW 8

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1. For 100 elements, I want to find the 37th smallest element and the set are divided by the following numbers into groups, and their running times are also listed. For comparison, the running time of heap sort to achieve the goal is listed in the last:

5: 0.000082 sec

7: 0.000069 sec

9: 0.000059 sec

heap sort: 0.000145 sec