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CSC 323 Assignment 1

A screenshot of a cell phone

Description automatically generatedA screenshot of a social media post

Description automatically generated

1. For a given maximum value 'm' and with increase in the number of elements 'n', does the average number of comparisons increase, decrease or remain about the same? Give an explanation of why you see the pattern you observe.

For both m values, it seems if the number of comparisons are steady. I think this is because the increase on n is double by the same constant each time.

1. For a given value of 'n', does the average number of comparison depend on the value of 'm' or not? Infer from the results/figures and explain.

Yes, the results infer that the number of comparisons do depend on m because m increased the number of comparisons performed on the larger m value was greater.