Shawn Finnerty

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Exercise 14.1.1

1. Dense Index: n/3 blocks needed for the data file. n/10 for the dense index. So 13n/30 blocks are needed.
2. Sparse Index: n/3 blocks for the data file, and n/3 pointers in the index file, per block of the data file. Totaling 11n/30 blocks.