

Follow the instructions in #1 and write out concise answers to numbers #2-5. Turn in everything stapled together.

1. Take a printed copy of the proof of the learnability of the $SL-k$ stringsets and a printed copy of the proof of the learnability of the $SP-k$ stringsets. Using a highlighter, identify the differences between the two proofs in each copy.
2. Summarize the differences between the two proofs.
3. Summarize how the proofs are similar. What does the similarity between the two proofs signify to you?
4. Explain what kind of data is needed to learn a SL_k stringset and a SP_k stringset. How do the proofs make this clear?
5. The similarity between these algorithms suggest there is a more general learning strategy at play here. How would you describe it?