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GOALS

* Finish hardcoded expert data mining program
* Work on k-value Hansel Chain visualization

RESULTS

I fixed the errors that we encountered last week in the “Expert Data Mining” program, and I added the restoration of the monotone Boolean function. I confirmed it works through testing all of the different sequences of answers that are described in the paper.

Next, I added the proper Hamming norm to each vector in the k-value Hansel Chain generation in the vdatmin program. However, there is still an error somewhere in the visualization. Over the last few hours, I have been debugging and have not found where the program breaks, but I do know that the error is not in the Hansel Chain generation, and it doesn’t seem to be in the drawing of the bars. However, it does seem like there is a preliminary visualization I can show you due to the fact that it only appears when debugging.

TO DO

* Continue debugging
* Add bush-up program to expert data mining program for non-hardcoded vectors.

100000

100100

**111111**

**110111**

**110101**

110110

?1

1

1?0

1

1

1

110100

11110

11100

11000

User says that changes only need to be made in the vector that the violation occurred in. if it is 1 then change to 0, and if it is 0 then change to 1. Impact of new attribute is only local (user must agree that it is only local). After fixing hypothesis, then we expand values to all other vectors.

A screenshot of a computer

Description automatically generated with medium confidence