

## Busy Beaver Problem

The goal of the presentation is to discuss the busy beaver problem and explain why it isn't computable.

- <http://plato.stanford.edu/entries/turing-machine/#5.1>
- [http://en.wikipedia.org/wiki/Busy\\_beaver](http://en.wikipedia.org/wiki/Busy_beaver)

Your presentation should include a discussion of

- What is the busy beaver problem.
- A discussion of why it isn't computable.

In addition your presentation should include at least one of the following

- A discussion of current best guesses of the busy beaver problem
- A discussion of the history of the problem.
- A discussion of the connections to the halting problem.

You should also feel free to expand on the above in any directions you would like (so long as they are related to the topic and not directly covered in class). If you have any questions regarding the presentation feel free to e-mail your TA or Dr. Ackerman