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Lab 7 write-up

2b. I learned in the policy problem that flatmap can be very useful for certain problems where you only want to return one list. This is very useful for the consonant problem because we want to return a list of chars. When testing, I was able to input a string and because of flatmap it returned the results in the way I needed them. It is also useful to change something about each input of the list and unlike map can return a new list of a different length. This could be useful when excluding or duplicating special values in a list.

3b. This problem was very difficult for me and I ended up not being able to solve it. I need more practice with continuations. They seem like a very good way to write good code. Thinking about the problem and trying to understand how to use continuations was helpful in understanding it. However, I wish there were maybe a couple easier problems to warm up on with continuations so there would be more of a foundation. This problem did help me learn more about problem solving and was a good place to use the different approaches we talk about class like solving the opposite problem and breaking the problem into smaller problems.

4. Talking to peers about this assignment helped me understand more what I needed to learn and gave insight to how other people conquered these problems. Specifically, with continuations, talking to peers helps me understand how they go about understand a problem with continuations and what my thought process should be going into it. It was also helpful speaking with peers to reaffirm the parts of the lab that we already knew how to do. Seeing how other people solved the problems gave me a better understanding of the topic in general. The one downfall to this part is that we are all still just students and not all masters in these topics so there is that aspect to the conversation. Particularly with continuations it is already confusing to me and if not explained well then, I can become confused about more parts of the topic.