HOMEWORK 10

1 Solve Sipser 3.20.

2 Solve Sipser 4.12.

3 Solve Sipser 4.14.

4 Solve Sipser 4.17. Clarification: this problem is concerned with the language $L$ of all pairs $(D', D'')$, where $D'$ and $D''$ are DFAs that recognize the same language. You need to prove that $L$ can be decided by testing $D'$ and $D''$ on all strings up to a certain size, and calculate a size that works.

5 Solve Sipser 4.27.