CS 81 Optional Assignment 11 for Wed., May 4

Turning in this assignment is **optional**, but you are still responsible for the content. If you turn it in, it will be averaged in with your homework grades. If you don't, it won't be. The last lecture is April 27. I will try to schedule a Q&A session before the final, probably the evening of Monday, May 9.

In Hein, please read these sections:

> Sec. 11.3 to 11.5 (pp 667-695) except that I won't hold you for the state minimization algorithm in 11.3.3. Also, you need not be as formal as the book for the NFA to DFA conversion algorithm.
>
> Sec. 12.1 to 12.2 (pp 697-716)
>
> Sec. 12.4 (pp 746-756)

Problems:

Hein p 681-683:

> 3.c, d (using any method you wish)

Hein p 693-695:

> 1.f
>
> 3.c
>
> 7.d

Hein p 715-716:

> 1.b
>
> 7.b

Hein p 755-716:

> 2.b
>
> 4.b

Construct a pda that accepts the language $\{ww^R \mid w \in \{a, b\}^*\}$.