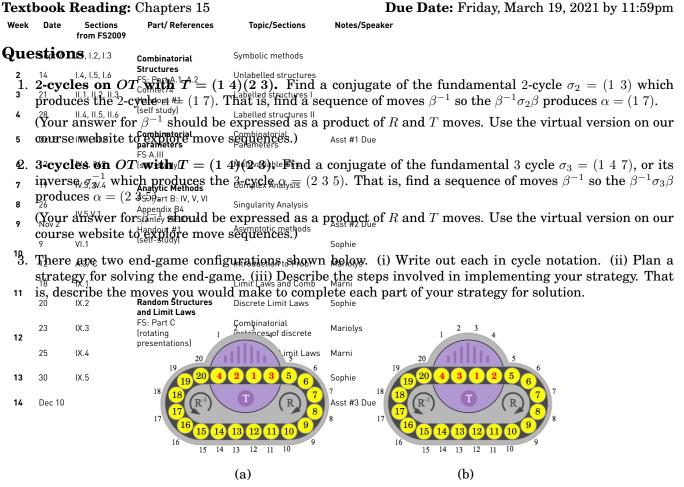
Textbook Reading: Chapters 15



You may find it useful to use the virtual puzzle on the course website to try out your move sequences: (a) http://www.sfu.ca/~jtmulhol/math302/applets/ovaltrackExercise3a/OvalTrackExercise3a.html (b) http://www.sfu.ca/~jtmulhol/math302/applets/ovaltrackExercise3b/OvalTrackExercise3b.html

4. In each part (a) and (b), consider the variation of the turntable move T on the Oval Track puzzle with 20 disks. Are all permutations of the puzzle pieces possible?

(You may use SageMath to answer the questions. You do not need to hand in your code, just describe what computation you had SageMath perform, and how you used the result to answer the question.)

