Math 464/564 Fall 2017 Homework Number 9- Due Tuesday 11/7/17

1.

$$P = \begin{array}{|c|c|c|} \hline 1 & 1 & 2 \\ \hline 2 & 3 & 4 \\ \hline 3 \\ \cline{1-1} \end{array}, \quad Q = \begin{array}{|c|c|c|} \hline 1 & 2 & 2 \\ \hline 3 & 3 \\ \cline{1-2} 4 \\ \cline{1-1} \end{array}.$$

Multiply P and Q in both ways described in class and verify the answers are the same.

2. Let Q be the skew tableau below. Compute the rectification $\mathrm{Rect}(Q)$.

			1	2	2	3
		1	2	3	4	
	1	2	4			
2	3					

3. Sagan 3.12 # 7.

4. Sagan 3.12 #13.

5. Sagan 3.12 #8.

6. Sagan 3.12 #19 a, bi,ii,iii,vi,vii, c