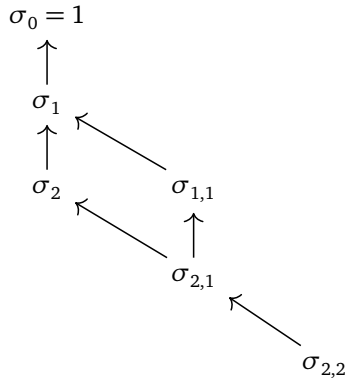
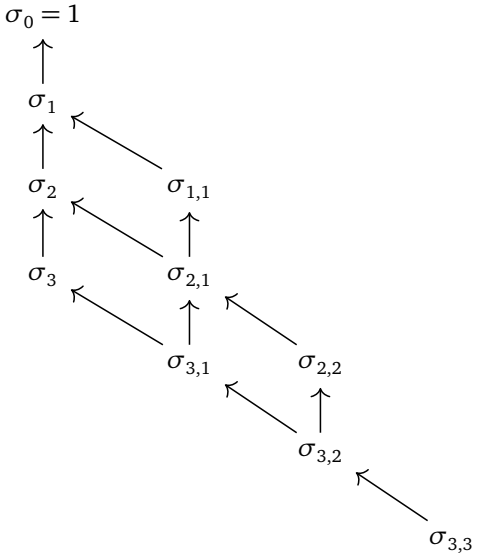
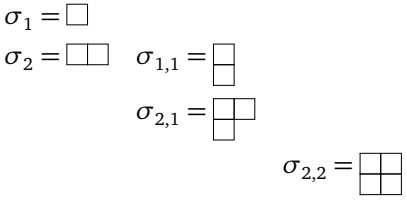
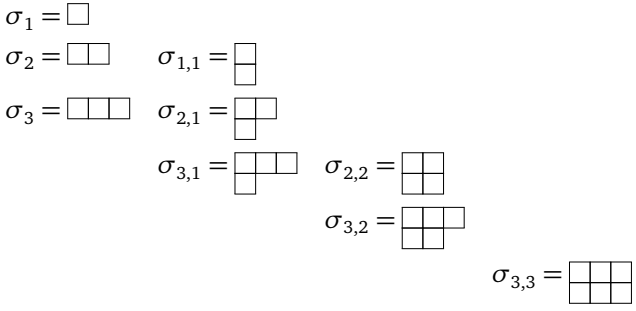
Schubert cycles for Grass$(2,4)$ and Grass$(2,5)$

Pieter Belmans









$$\sigma_{1,1} = \begin{vmatrix} \sigma_1 & \sigma_2 \\ 1 & \sigma_1 \end{vmatrix} = \sigma_1^2 - \sigma_2$$

$$\sigma_{2,1} = \begin{vmatrix} \sigma_2 & 0 \\ 1 & \sigma_1 \end{vmatrix} = \sigma_1 \sigma_2$$

$$\sigma_{2,2} = \begin{vmatrix} \sigma_2 & 0 \\ \sigma_1 & \sigma_2 \end{vmatrix} = \sigma_2^2$$

$$\sigma_{1,1} = \begin{vmatrix} \sigma_1 & \sigma_2 \\ 1 & \sigma_1 \end{vmatrix} = \sigma_1^2 - \sigma_2$$

$$\sigma_{2,1} = \begin{vmatrix} \sigma_2 & \sigma_3 \\ 1 & \sigma_1 \end{vmatrix} = \sigma_1 \sigma_2 - \sigma_3$$

$$\sigma_{3,1} = \begin{vmatrix} \sigma_3 & 0 \\ 1 & \sigma_1 \end{vmatrix} = \sigma_1 \sigma_3$$

$$\sigma_{2,2} = \begin{vmatrix} \sigma_2 & \sigma_3 \\ \sigma_1 & \sigma_2 \end{vmatrix} = \sigma_2^2 - \sigma_1 \sigma_3$$

$$\sigma_{3,2} = \begin{vmatrix} \sigma_3 & 0 \\ \sigma_1 & \sigma_2 \end{vmatrix} = \sigma_2 \sigma_3$$

$$\sigma_{3,3} = \begin{vmatrix} \sigma_3 & 0 \\ \sigma_2 & \sigma_3 \end{vmatrix} = \sigma_3^2$$