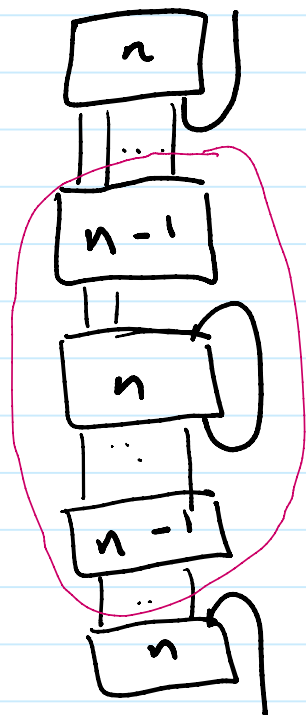


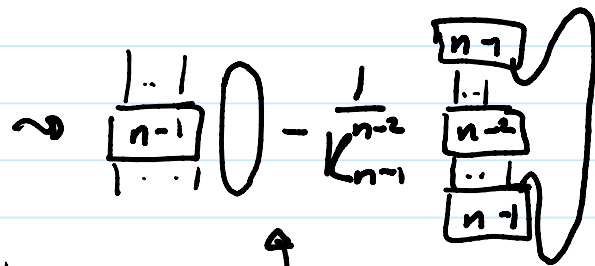


$$\begin{array}{|c} \dots \\ \hline n \\ \hline \dots \end{array} = \begin{array}{|c} \dots \\ \hline n+1 \\ \hline \dots \end{array} + \begin{array}{c} \begin{array}{|c} \hline n \\ \hline \dots \\ \hline n-1 \\ \hline \dots \\ \hline n \\ \hline \dots \end{array} K_n^{n-1} \end{array}$$

Goal: Compute  $K_n^{n-1}$ .



Use JW recursion



$$K_n^{n-1} = \text{coeff of id} \uparrow$$

$$= -[2] - \frac{1}{K_{n-1}^{n-2}}$$

Solution  $K_1^0 = -[2]$

$$K_n^{n-1} = \frac{-[n+1]}{[n]}$$

What about  $C_2$ ?

$sp_4 \curvearrowright$   $L_{1,0} \leftarrow \text{natural rep}$   
 $L_{0,1} \leftarrow \Lambda^2(\text{nat})/\text{tr}$

(Kuperberg '97)  $\{ = id_{L_{1,0}} \} = id_{L_{0,1}} \quad \left. \begin{array}{c} L_{0,1} \\ \uparrow \\ L_{1,0} \otimes L_{0,0} \end{array} \right\}$

