

$$\left\{ \begin{array}{c} X: X_x \longrightarrow X_y \longleftarrow X_z \longrightarrow X_w \\ \cup \\ X_3: X_{3x} \longrightarrow X_{3y} \longleftarrow X_{3z} \longrightarrow X_{3w} \\ \cup \\ X_2: X_{2x} \longrightarrow X_{2y} \longleftarrow X_{2z} \longrightarrow X_{2w} \\ \cup \\ X_1: X_{1x} \longrightarrow X_{1y} \longleftarrow X_{1z} \longrightarrow X_{1w} \end{array} \right| x.X_{k+1} \subseteq X_k \left. \right\} \longleftrightarrow \left\{ \begin{array}{c} \Phi(X): \begin{array}{cccc} X_x & X_y & X_z & X_w \\ \uparrow & \searrow & \uparrow & \swarrow & \uparrow & \searrow & \uparrow \\ X_x & X_y & X_z & X_w \\ \uparrow & \searrow & \uparrow & \swarrow & \uparrow & \searrow & \uparrow \\ X_x & X_y & X_z & X_w \end{array} \\ \cup \\ \begin{array}{cccc} X_{3x} & X_{3y} & X_{3z} & X_{3w} \\ \uparrow & \searrow & \uparrow & \swarrow & \uparrow & \searrow & \uparrow \\ X_{2x} & X_{2y} & X_{2z} & X_{2w} \\ \uparrow & \searrow & \uparrow & \swarrow & \uparrow & \searrow & \uparrow \\ X_{1x} & X_{1y} & X_{1z} & X_{1w} \end{array} \end{array} \right\}$$

$\text{Flag}_{3, \text{str}}(X) \qquad \longleftrightarrow \qquad \text{Gr}^{R_{3, \text{str}}}(\Phi(X))$