$$
v B_{n} \xrightarrow{v s} S_{n} \text { by } \quad ; i \longrightarrow 1, \tau ; \longrightarrow(i, i+1)
$$

"Vultical smoothing map"

$$
k_{n}=k c r(v s)
$$

generated by v-conjugutes of $/<?_{0}$
So $\sigma_{i j} \longmapsto(i j)$

$$
\begin{aligned}
\sigma_{12} \sigma_{13} \sigma_{23} \longrightarrow(12)(13)(23) & =(13) \\
(23)(13)(12) & =(13)
\end{aligned}
$$


Q. What is projk ?

Probaily 0 , as the rolations have non-trivil Abelianization.

