

Consider the braid pB in B_{pk} . Not bad ...
 Let's try $\Phi_{{}^p\sigma_n}^L$ or $\Phi_{{}^pB}^L$. And how about $\Phi_{p\sigma_n^{\pm 1}}$ or 2B , ${}^2\sigma_n$, or even $\Phi_{2\sigma_n}$
 Closure?? $\widehat{{}^pBB'}$ vs. $\widehat{\alpha_p\gamma}$. what about $\text{ar}(\widehat{\alpha})$ vs. $\text{ar}(\widehat{\alpha})$
 Just say that $\alpha_p \in B_{pk}$ is the p -copy of $\alpha \in B_k$
 $\Phi_{\iota_p(\alpha)}^L$ and $\Phi_{\beta(\alpha)}^L$ and $\widehat{\beta(\alpha)}$ (or $\beta(\hat{\alpha})$)
 γ vs $\hat{\gamma}$
 $\iota_p(\alpha)$
 $\Phi_{\iota_p(\alpha)}^L$ and $\Phi_{\beta(\alpha)}^L$ or... $\Phi_{\gamma(\alpha)}^L$ and $\widehat{\beta(\alpha)}$ (or $\beta(\hat{\alpha})$)
 \mathcal{S}_n^L