

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  $\beta(\hat{\alpha})$ )

$\gamma$  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  $\beta(\hat{\alpha})$ )