

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??  $\widehat{{}^pB\bar{B}'}$  vs.  $\widehat{\alpha_p\gamma}$ . what about  $\text{ar}(\widehat{\alpha})$  vs.  $\text{ar}(\hat{\alpha})$

Just say that  $\alpha_p \in B_{pk}$  is the  $p$ -copy of  $\alpha \in B_k$

$\Phi_{\alpha_p}^L$  and  $\Phi_{\alpha_p\beta}^L$  and  $\widehat{\alpha_p\gamma}$  (or  $\hat{\alpha_p\beta}$ )