

once more, let's try to get from braids to virtual braids  
in an abstract way.

$B$ : Braids ( $k$  lin. combinations thereof)

$I$ : The ideal generated by  $X - Y$ .

Consider

$$F = \left( \frac{B}{I} \oplus I \right) / \begin{array}{l} \ker M_{00}: \frac{B}{I} \oplus \frac{B}{I} \rightarrow \frac{B}{I} \\ \ker M_{01}: \frac{B}{I} \oplus I \rightarrow I \end{array} ?$$