



$$\dots \quad Q_{a_{\sigma'(j)}} \quad \dots \quad P_{b'_j} \quad \dots$$


$(a_{\sigma'(j)}, b'_j)$

$$\dots \quad \otimes \operatorname{Hom}_Y(a_{\sigma'(j)}, b'_j) \otimes \quad \dots$$


$\beta \circ (-)$

$$\dots \quad \otimes \operatorname{Hom}_Y(a_{\sigma'(j)}, b_j) \otimes \quad \dots$$