

$$\begin{array}{ccc}
 K^u & \xrightarrow{\gamma} & K^w \\
 \downarrow Z^u & & \downarrow Z^w \\
 A^u & \xrightarrow{\alpha} & A^w
 \end{array}$$

This diagram
more-or-less commutes.
Why?

(In the largest context within which it commutes, that of KTF's, the key is Drinfel'd's mystery lemma, [Drinfel'd's Lemma](#). So in some sense, the task is to remove the mystery from that lemma.)

Q There is clearly a map

$$RB_n \longrightarrow R^w B_n.$$

Is there also a map going the other way?
 ("R" means "reduced", in the sense of
 Habegger-Lin).