\[ a^4 b^5 = b^{-1} a b^5 \] is this a quandle?

\[(a^4 b^5)^4 c = (b^{-1} a b^5)^4 c = c^{-1} b^{-1} a b^5 c^5 \]

\[(a^4 c)^4 (b^5 c) = (c^{-1} a c^5)^4 (c^{-1} b c^5) \]
\[= c^{-5} b^{-1} c c^{-1} a c^5 c^{-5} b c^5 c^5 \]
\[= c^{-5} b^{-1} a b^5 c^5 \]
\[= 0. \]

Why is \( \mathbb{V}_k \to \mathbb{W}_{k+1} \) trivial on \( u \)?

\[ \begin{array}{ccc}
1 & 2 & 0 \\
1 & 2 & 0 \\
\end{array} \]
Names “crossing” vs “crossings” “russian zzh”