ERRATUM TO: ON ENUMERATION OF CONJUGACY CLASSES OF COXETER ELEMENTS

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For the article with the above title appearing in the *Proceedings of the American Mathematical Society*, volume 136 of 2008, there are two typographical errors in the proof of Proposition 3.8 on page 4162:

- The inequality in line 3 of the proof should be reversed to read “... over Y' , and thus $n_c \geq \kappa(Y')$.”
- The inequality in the last line of the proof should be reversed to read “... of $\mathfrak{C}_e(Y)$, and thus $n_c \leq \kappa(Y')$.”

With these corrections the full proof becomes:

Proof. Let n_c denote the number of connected components of $\mathfrak{C}_e(Y)$. By Proposition 3.7, if $[O_Y]$ and $[O_{Y'}]$ are connected in $\mathfrak{C}_e(Y)$, then both classes are contained in the same κ -class over Y' , and thus $n_c \geq \kappa(Y')$.

It is clear that a κ -class contains all acyclic orientations for which there are representative permutations that are related by a sequence of adjacent transpositions of non-connected vertices in Y and cyclic shifts. Upon deletion of the cycle-edge e , the adjacent transposition of the endpoints of e becomes permissible, and thus two distinct κ -classes in Y containing acyclic orientations that only differ on e are contained within the same κ -class over Y' . By reference to the underlying permutations, it follows that two κ -classes in Y are contained within the same κ -class in Y' if and only if there is a sequence of κ -classes in Y where consecutive elements in the sequence contain acyclic orientations that differ precisely on e . By the definition of $\mathfrak{C}_e(Y)$ it follows that all κ -classes over Y that merge so as to be contained within one κ -class in Y' upon deletion of e are contained within the same connected component of $\mathfrak{C}_e(Y)$, and thus $n_c \leq \kappa(Y')$. $\square$

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