CORRECTION

Correction to: Relationally equal treatment of equals and affine combinations of values for TU games

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We are grateful to Zhengxing Zou for pointing out an insufficiency in the definition of an element of our new basis for the space of TU games, w_T, in Sect. 5.1. With keeping the definition of $(N, w_T) \in \Gamma$ as it is for $|T| \neq \frac{n}{2}$, we modify it by

$$w_T = u_T - \sum_{\ell \in N \setminus T} u_{N \setminus \ell}.$$

only for $|T| = \frac{n}{2}$.

According to this modification, the following changes are required.

Proof of Lemma 1 This immediately follows from the fact that $|T| \geq 3$ and $|N| \geq 3$. □

Proof of Lemma 2 For $|T| \neq \frac{n}{2}$, the proof is as it is. For $|T| = \frac{n}{2}$, if $i \in T$, $w_T(N \setminus i) = 0 - 0 = 0$, and if $i \notin T$, $w_T(N \setminus i) = u_T(N \setminus i) - u_{N \setminus i}(N \setminus i) = 1 - 1 = 0$. □

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