

Errata

(1) Page 16, line -4 should read:

(1) Let $B = \{b_1, \dots, b_a, e_1\}$ and $S = \{e_1, \dots, e_n\}$.

(2) Page 24, lines 19 ff. should read:

... First, let $v \in V$ and write v as

$$v = \sum_{i=1}^n \alpha_i v_i + \sum_{i=1}^r \beta_i w_i.$$

Then

$$\begin{aligned} T(v) &= T\left(\sum_{i=1}^n \alpha_i v_i + \sum_{i=1}^r \beta_i w_i\right) \\ &= \sum_{i=1}^n \alpha_i T(v_i) + \sum_{i=1}^r \beta_i T(w_i) \\ &= \sum_{i=1}^r \beta_i T(w_i), \end{aligned}$$

since $T(v_i) = 0$ for all i .