A CHARACTERIZATION OF VARIETIES
WITH A DIFFERENCE TERM, II:
NEUTRAL = MEET SEMI-DISTRIBUTIVE

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ABSTRACT. We provide more characterizations of varieties with a weak difference
term and of neutral varieties. We prove that a variety has a (weak) difference term
(is neutral) with respect to the TC-commutator iff it has a (weak) difference term (is
neutral) with respect to the linear commutator. We show that a variety \( V \) is congruence
meet semi-distributive iff \( V \) is neutral, iff \( M_3 \) is not a sublattice of \( \text{Con} \ A \), for \( A \in V \),
iff there is a positive integer \( n \) such that \( V \models_{\text{Con}} \alpha \beta \gamma \leq \alpha \beta \gamma _n \).