$$(M_w)_a = \sum_{i=1}^{k} (M_{ci})_a (W_{wi})_a$$

$$+ \sum_{i=1}^{m} (L_{ci})_a (D_{ci})_a (W_{wi})_a$$

$$+ \sum_{i=1}^{n} (L_{ci})_a (V_{wi})_a (D_{wi})_a$$