

$$CO_2=\sum_{i=1}^n\left[\sum_{j=1}^m\left(RM_{j,i}\times CC_{j,i}\right)\times EF_i\right]-\sum_{i=1}^n\left[\sum_{k=1}^p\left(OM_{k,i}\times CC_{OM\;k,i}\right)\times EF_i\right]$$