$$\mathcal{TC}(m{x}_1,m{x}_2,\dots,m{x}_n) = \mathcal{TC}(m{x}_1,\dots,m{x}_{[rac{n+1}{2}]}) + \mathcal{TC}(m{x}_{[rac{n+1}{2}]+1},\dots,m{x}_n) + \mathcal{I}(m{x}_1,\dots,m{x}_{[rac{n+1}{2}]};m{x}_{[rac{n+1}{2}]+1},\dots,m{x}_n)$$