$$\mathcal{TC}(\boldsymbol{x}_1, \boldsymbol{x}_2, \ldots, \boldsymbol{x}_n) = \mathcal{TC}(\boldsymbol{x}_1, \ldots, \boldsymbol{x}_{[\frac{n+1}{2}]}) + \mathcal{TC}(\boldsymbol{x}_{[\frac{n+1}{2}]+1}, \ldots, \boldsymbol{x}_n) + \mathcal{I}(\boldsymbol{x}_1, \ldots, \boldsymbol{x}_{[\frac{n+1}{2}]}; \boldsymbol{x}_{[\frac{n+1}{2}]+1}, \ldots, \boldsymbol{x}_n)$$