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