$\mathcal{TC}(oldsymbol{x}_1,oldsymbol{x}_2,\ldots,oldsymbol{x}_n) = \mathbb{E}_{p(oldsymbol{x}_1,oldsymbol{x}_2,\ldots,oldsymbol{x}_n)} \left[\log rac{p(oldsymbol{x}_1,oldsymbol{x}_2,\ldots,oldsymbol{x}_n)}{p(oldsymbol{x}_1)p(oldsymbol{x}_2)\ldots p(oldsymbol{x}_n)}
ight].$