$$\begin{aligned} & \dots & & & \text{KL}\left(\delta_{x},\delta_{x_{n}}\right) = \infty, \\ & \text{TV}\left(\delta_{x},\delta_{x_{n}}\right) = 2, \\ & \text{OT}\left(\delta_{x},\delta_{x_{n}}\right) = 2, \\ & \text{OT}\left(\delta_{x},\delta_{x_{n}}\right) = c\left(x,\ x_{n}\right)\ \forall n \geq 1. \end{aligned}$$