tion In this example, we take k=3 and t=8. Let $\mathcal{R}_t=\{R_1,R_2,R_3,R_4,R_5\}$ and the values of R_1, R_2, R_3, R_4, R_5 are shown in the figure below. path_to_your_image.png Figure 1: The example for the definition of the potential function.

Example for the Definition of the Potential Func-

We calculate $\phi_t(2,0)$ and $\phi_t(2,3)$ as examples: • For $\phi_t(2,0)$, the max operator in eq.k-counter-phi is taken over $R \in \{R_1, R_3\}$, and the maximum is 4, which is achieved when $R = R_3$.

• For $\phi_t(2,3)$, the max operator in eq.k-counter-phi is taken over $R \in \{R_1, R_4\}$, and the maximum is 3, which is achieved when $R = R_4$.