Define 2 problems

- The PTV problem: Find PTV local controllers $K_1, \ldots K_v$ s.t. the closed loop system is exponentially stable.

- The TI problem: Suppose all the matrices in Σ and $K_1, K_2 \ldots K_v$ are independent of k, i.e., $N = N_k = 1$. Find local TI controllers $K_1, K_2 \ldots K_v$ s.t. the closed-loop system is stable.