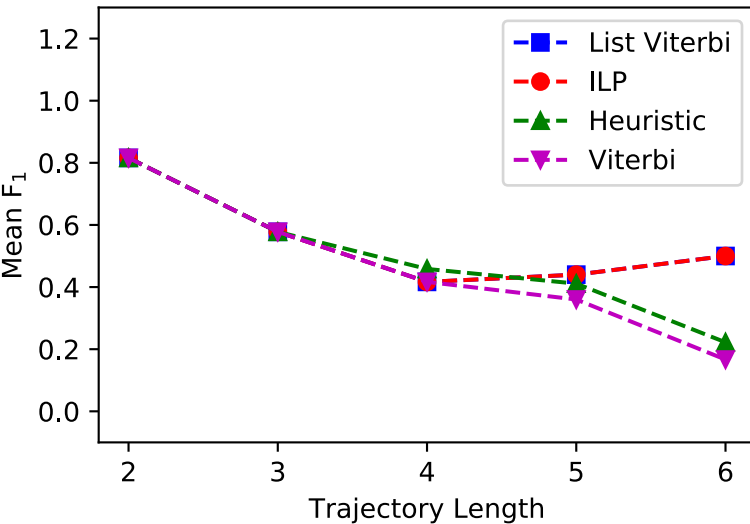
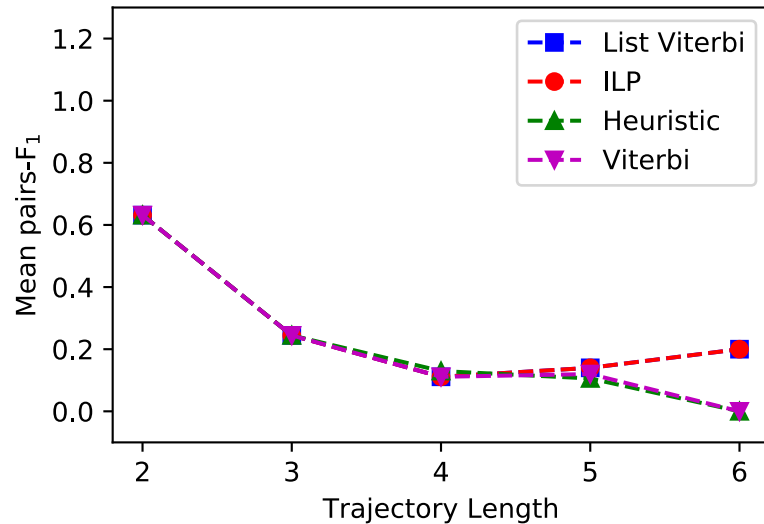


$F_1$  on Osakapairs- $F_1$  on Osaka $\tau$  on Osaka