	Model	Penn 12k		Penn 24k	
		Many-to-1	**VI**	**Many-to-1**	**VI**
	Bayesian HMM	49.10	7.80	52.34	7.94
1	Bayesian S-HMM	50.84	**7.54**	49.76	7.92
	Bayesian SM-HMM	51.04	7.86	51.65	8.12
	Bayesian HMM	41.88	8.46	47.13	8.52
2	Bayesian S-HMM	**54.92**	7.58	54.52	7.86
	Bayesian SM-HMM	48.76	7.92	51.93	8.13
	Bayesian HMM	50.70	7.75	46.74	8.15
3	Bayesian S-HMM	50.57	7.71	52.05	7.97
	Bayesian SM-HMM	53.06	7.64	51.39	7.95
	Bayesian HMM	45.15	8.33	45.65	8.55
4	Bayesian S-HMM	52.67	7.69	**55.32**	**7.67**
	Bayesian SM-HMM	53.15	7.67	51.41	8.17
	Brown Clustering [4]	53.78	7.58	54.11	7.78