

Query	BoW	MSGM	Proposed		
			Re-ID	RL	Full
Person dismount	6.27	22.51	21.69	25.98	30.51
Person mount	1.38	20.98	23.12	29.41	35.98
Object deposit	7.90	46.27	47.79	47.62	49.13
Object take-out	16.80	34.92	35.32	41.98	42.12
2 person deposit	3.38	46.11	49.44	50.83	50.83
2 person take-out	15.27	48.03	48.03	49.28	49.28
Group Meeting	23.53	30.80	39.51	30.80	47.64
Average	10.65	35.66	37.84	39.41	43.64