

Method	BLEU@4	METEOR	ROUGE-L	CIDEr
Mean-Pooling	30.4	23.7	52.0	35.0
Soft-Attention	28.5	25.0	53.3	37.1
S2VT	31.4	25.7	55.9	35.2
v2t_navigator	40.8	28.2	60.9	44.8
Aalto	39.8	26.9	59.8	45.7
VideoLAB	39.1	27.7	60.6	44.1
XE-baseline	41.3	27.6	59.9	44.7
RL-baseline	40.6	28.5	60.7	46.3
HRL (Ours)	41.3	28.7	61.7	48.0