

Multi-way multi-source MT

Firat et al. 2016 (two papers)

	Src	Trgt	Multi Test	Single Test
(a)	Es	En	28.32	27.48
(b)	Fr	En	27.93	27.21

Table 2: One-to-one translation qualities using the multi-way multilingual model and four separate single-pair models.

		Multi Dev	Test	Single Dev	Test
(a)	Early	31.89	31.35	—	—
(b)	Late	32.04	31.57	32.00	31.46
(c)	E+L	32.61	31.88	—	—

Table 3: Many-to-one quality (Es+Fr→En) using three translation strategies. Compared to Table 2 (a–b) we observe a significant improvement (up to 3+ BLEU), although the model was never trained in these many-to-one settings. The second column shows the quality by the ensemble of two separate single-pair models.