Table 1: Replacing the position-wise feed-forward networks with multihead-attention-over-parameters produces similar results to the base model. All metrics are on the English-to-German translation development set, newstest2013.

			L	J	J		PPL	BLEU	params	training
			h_p	d_{pk}	d_{pv}	n_p	(dev)	(dev)	$\times 10^6$	$_{ m time}$
base	512	2048					4.92	25.8	65	12 hours
$\overline{\text{AOP}_1}$	512		8	64	64	1536	4.92	25.5	65	16 hours
AOP_2	512		16	64	64	512	4.86	25.9	65	16 hours