

Table 10: The ablation of XSF on the nuScenes *val* split. $S \rightarrow D$ and $D \rightarrow S$ denote sparse-to-dense (3b) and dense-to-sparse (3a) XSFs.

$S \rightarrow D$	$D \rightarrow S$	Add Convs	mIoU	mAP	NDS
Segmentation Only					
✓	✓		81.7	-	-
		✓	80.9 (-0.8)	-	-
Multi-task					
✓	✓		82.7	66.6	70.8
	✓	✓	82.8 (+0.1)	66.0 (-0.6)	70.5 (-0.3)