

Fig. 1

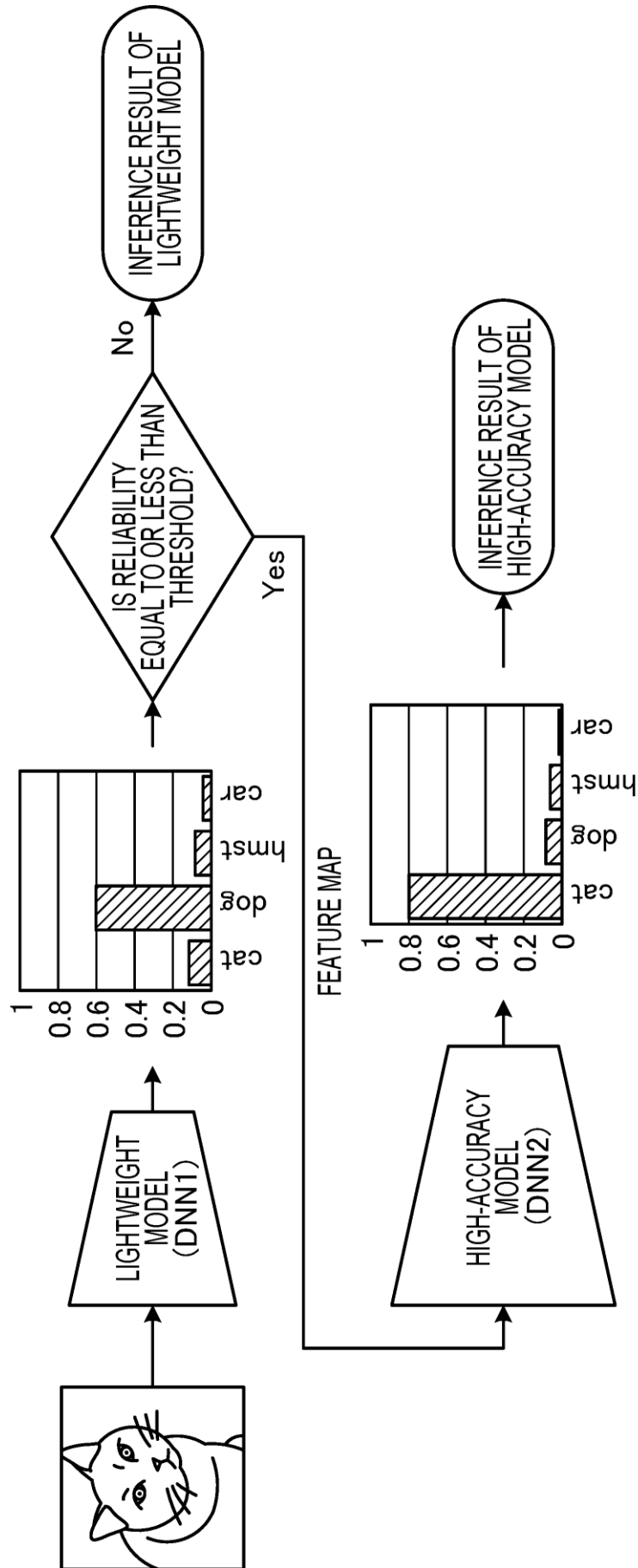


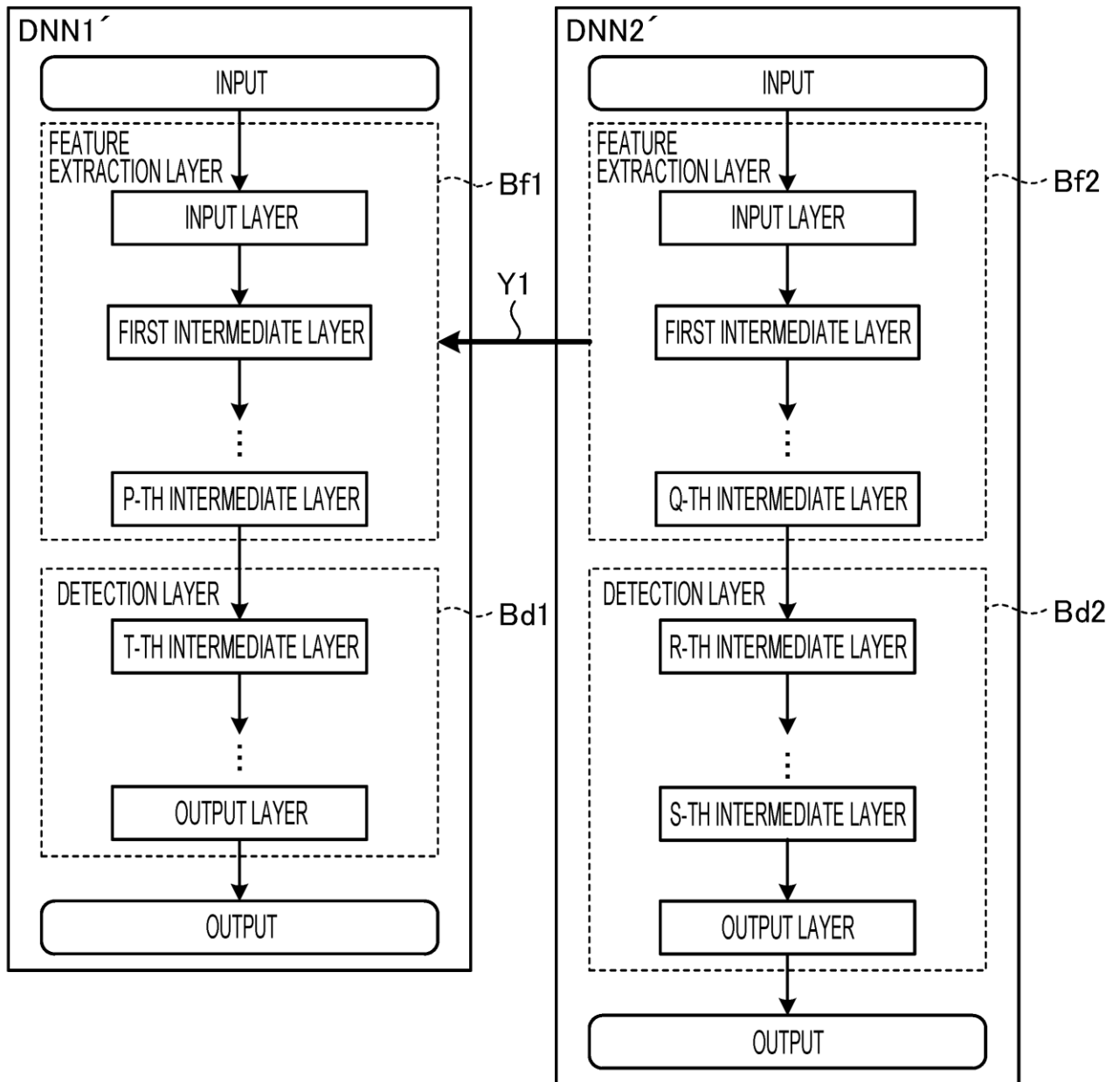
Fig. 2-1

Fig. 2-2

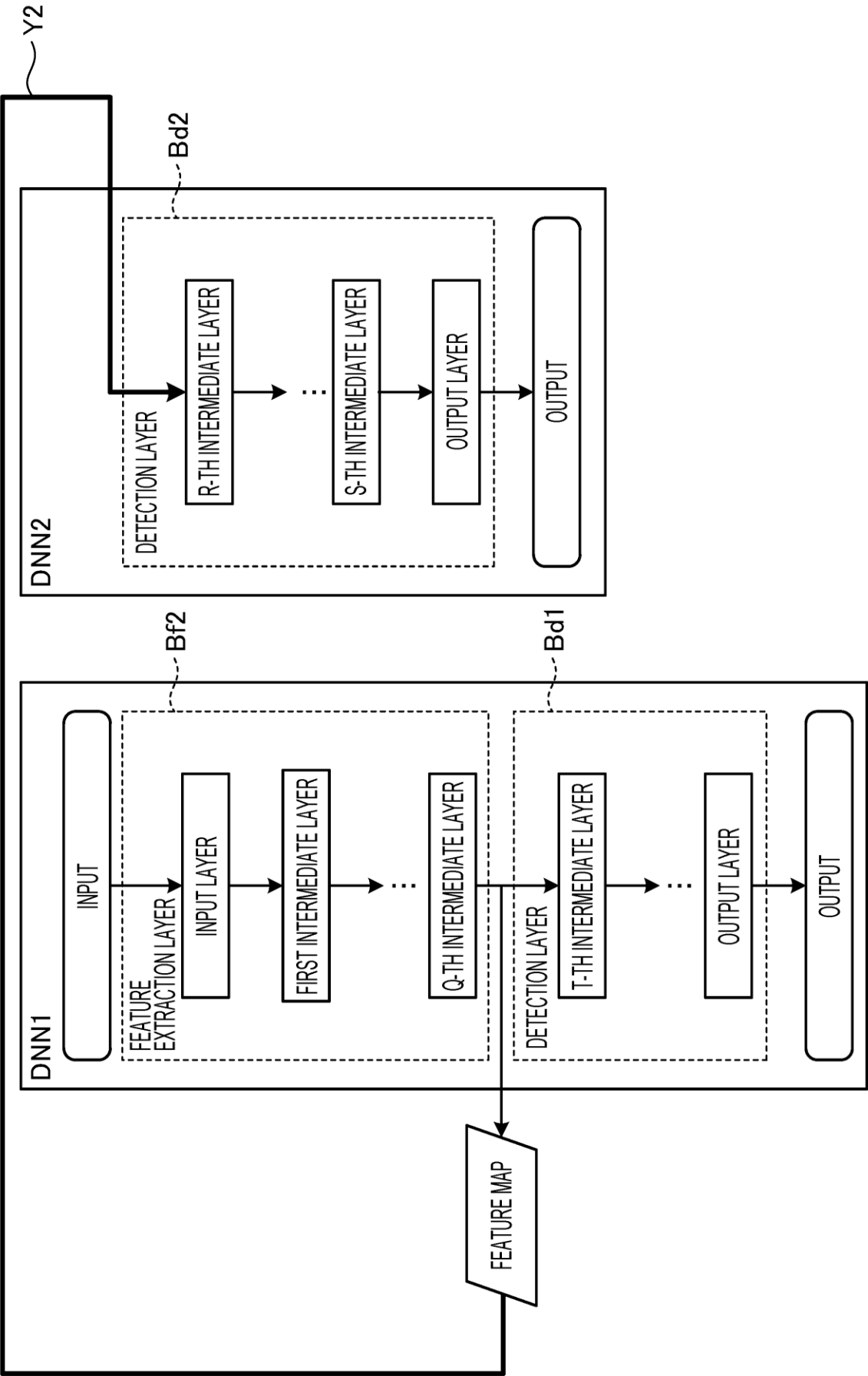


Fig. 3

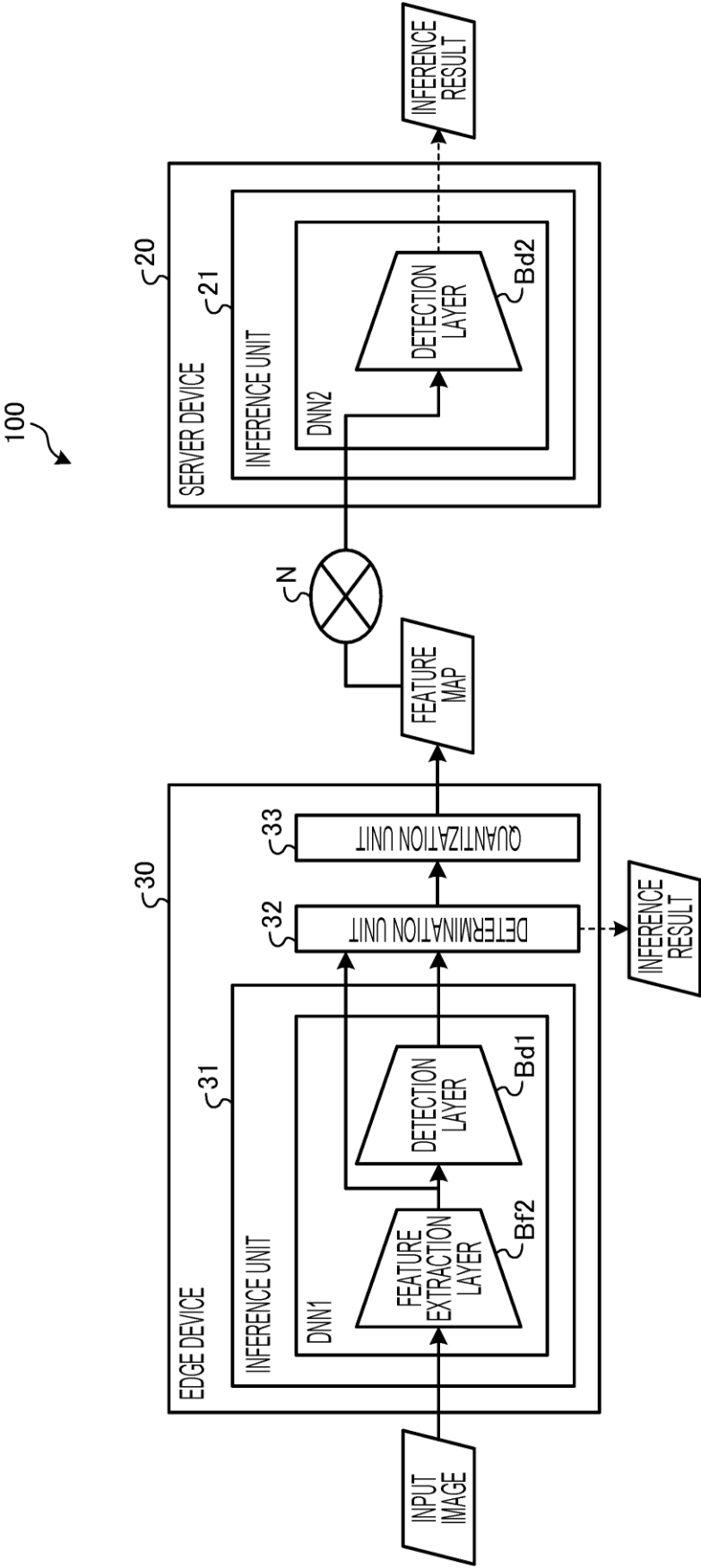


Fig. 4

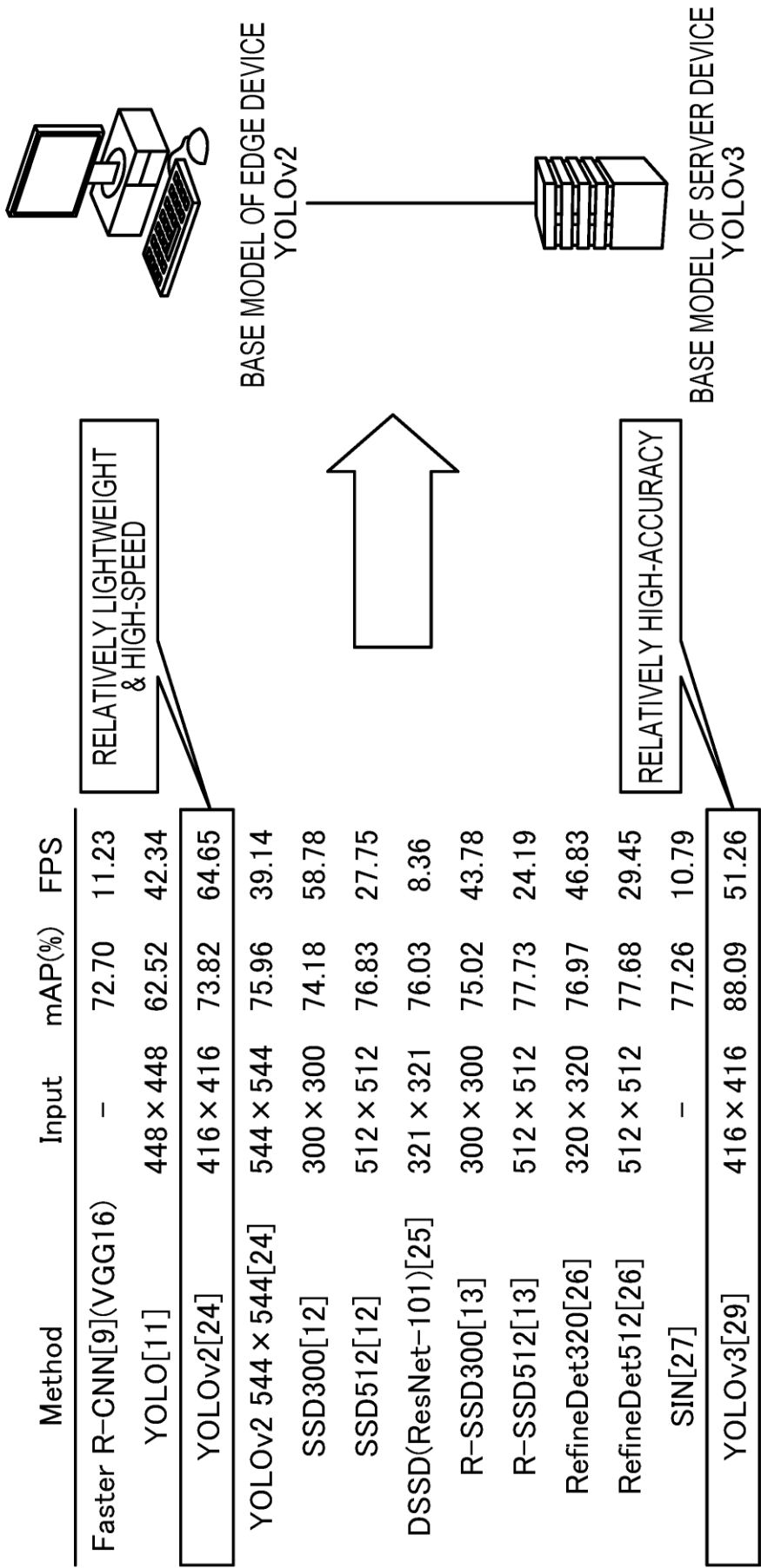


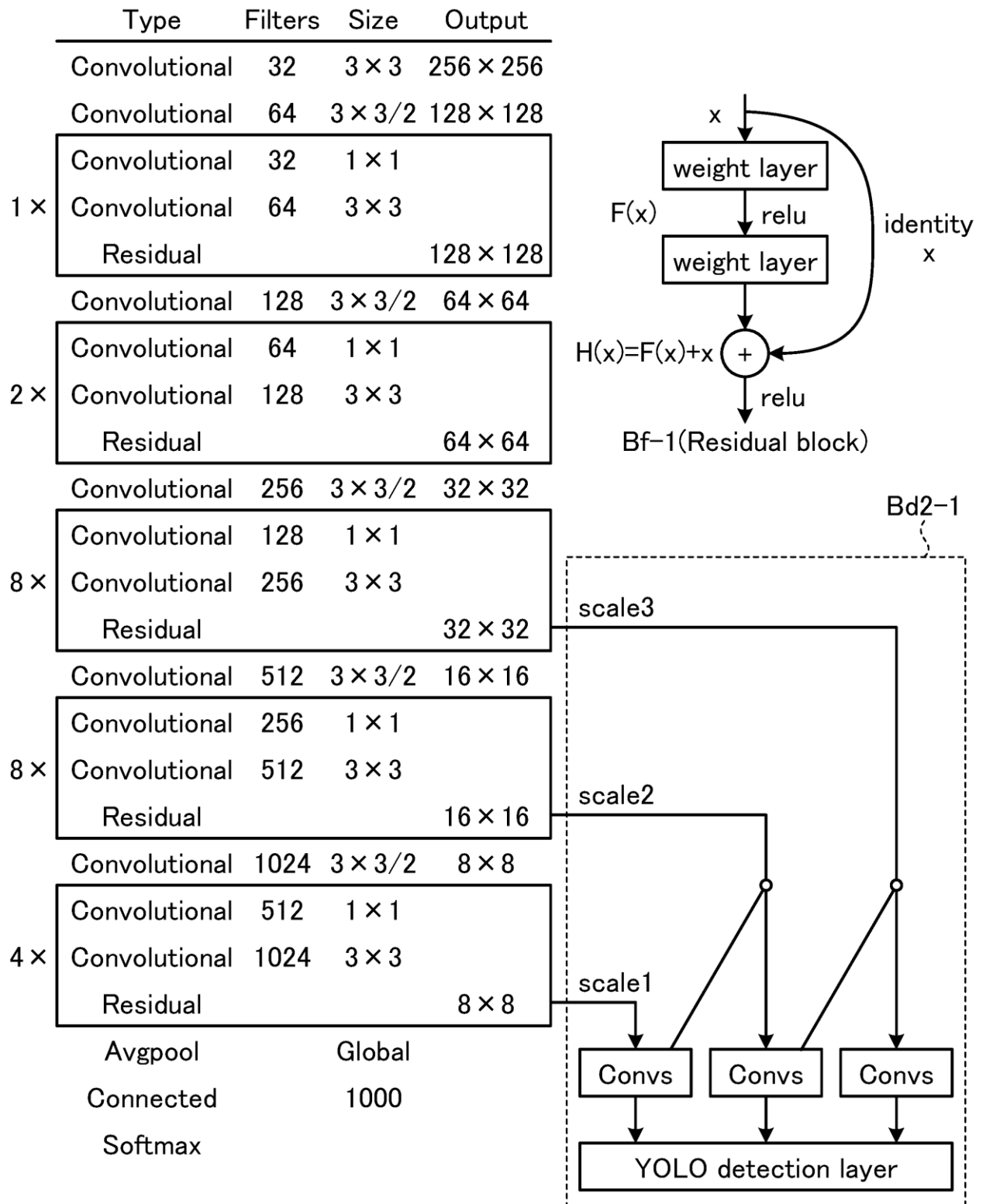
Fig. 5

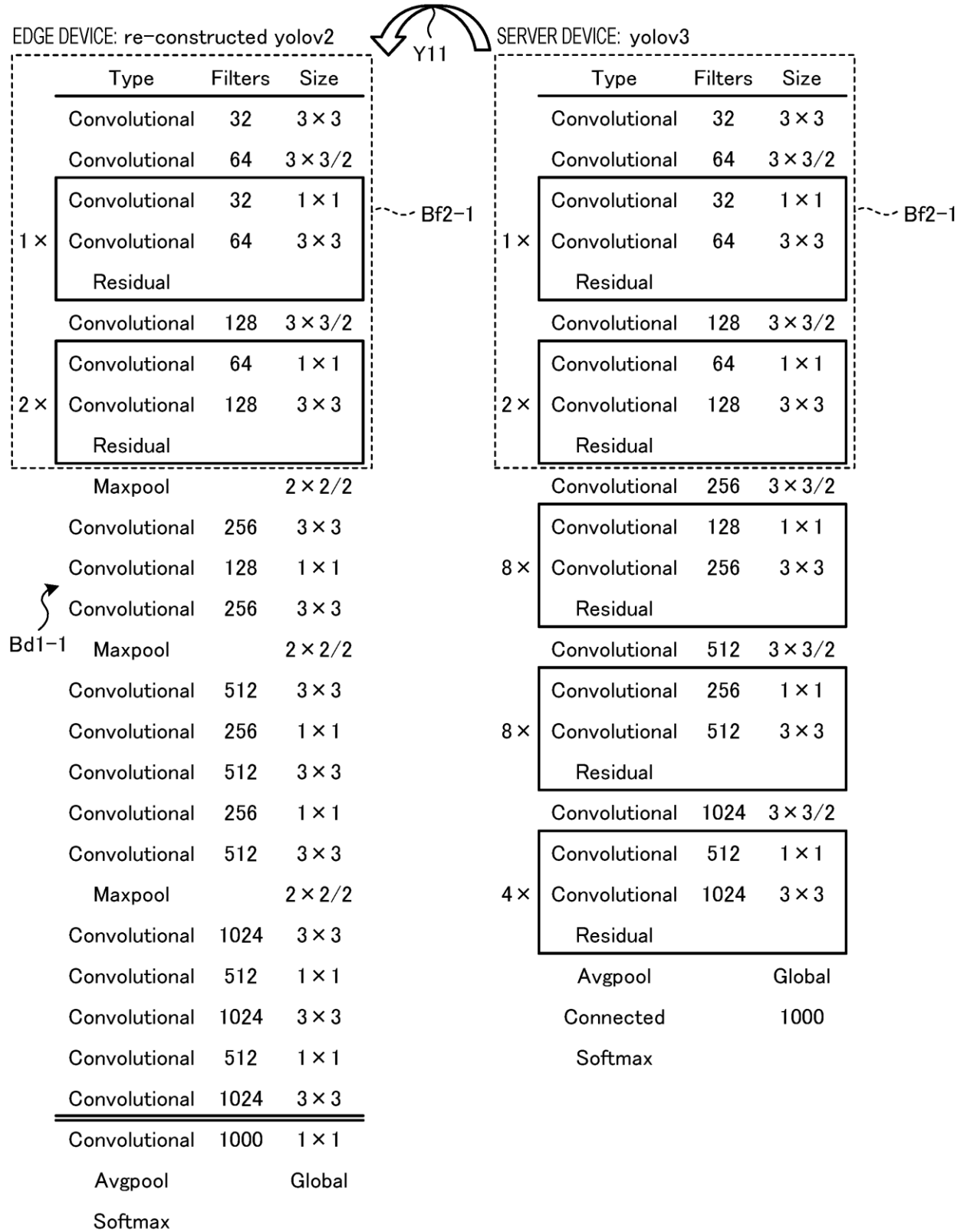
Fig. 6-1

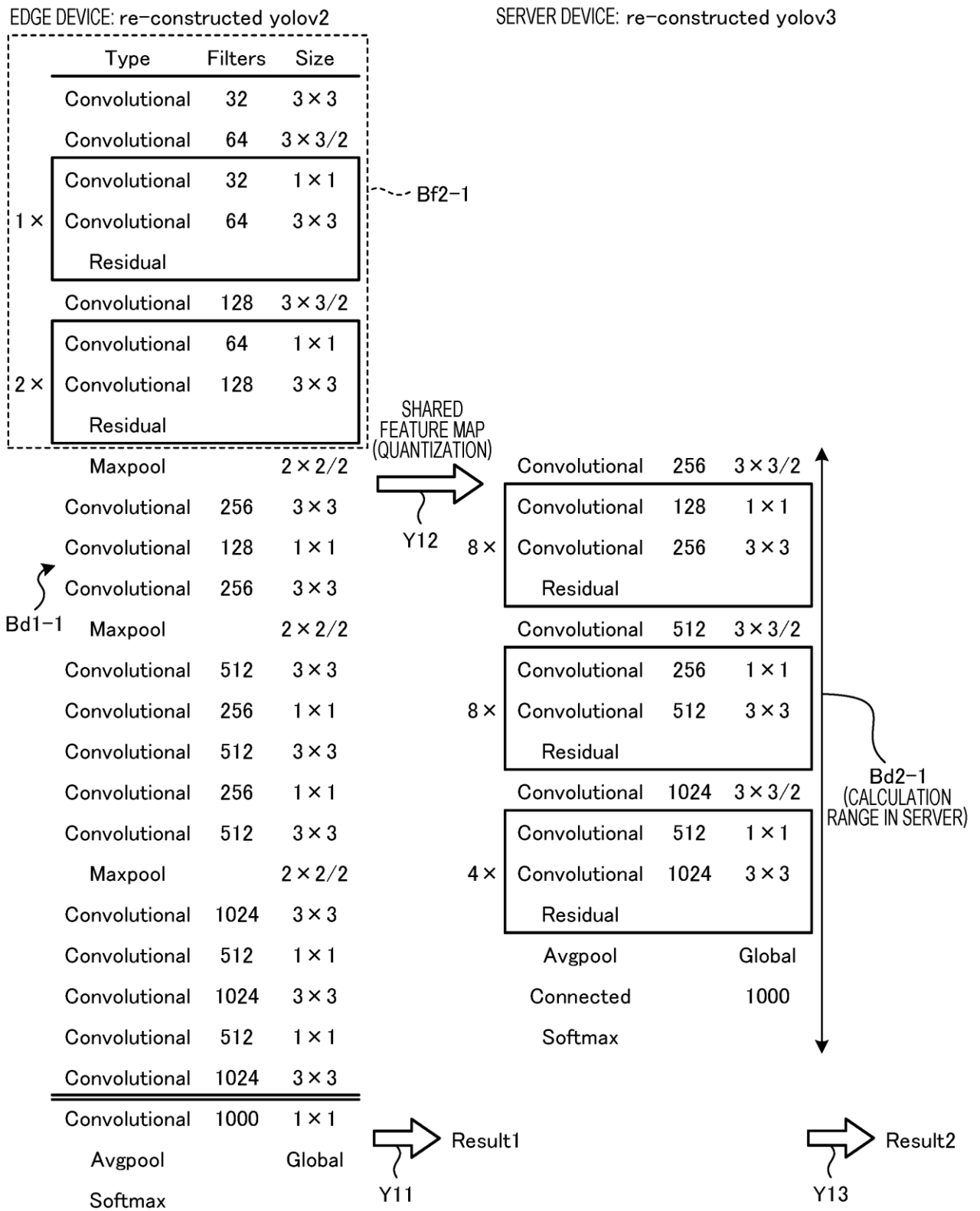
Fig. 6-2

Fig. 7

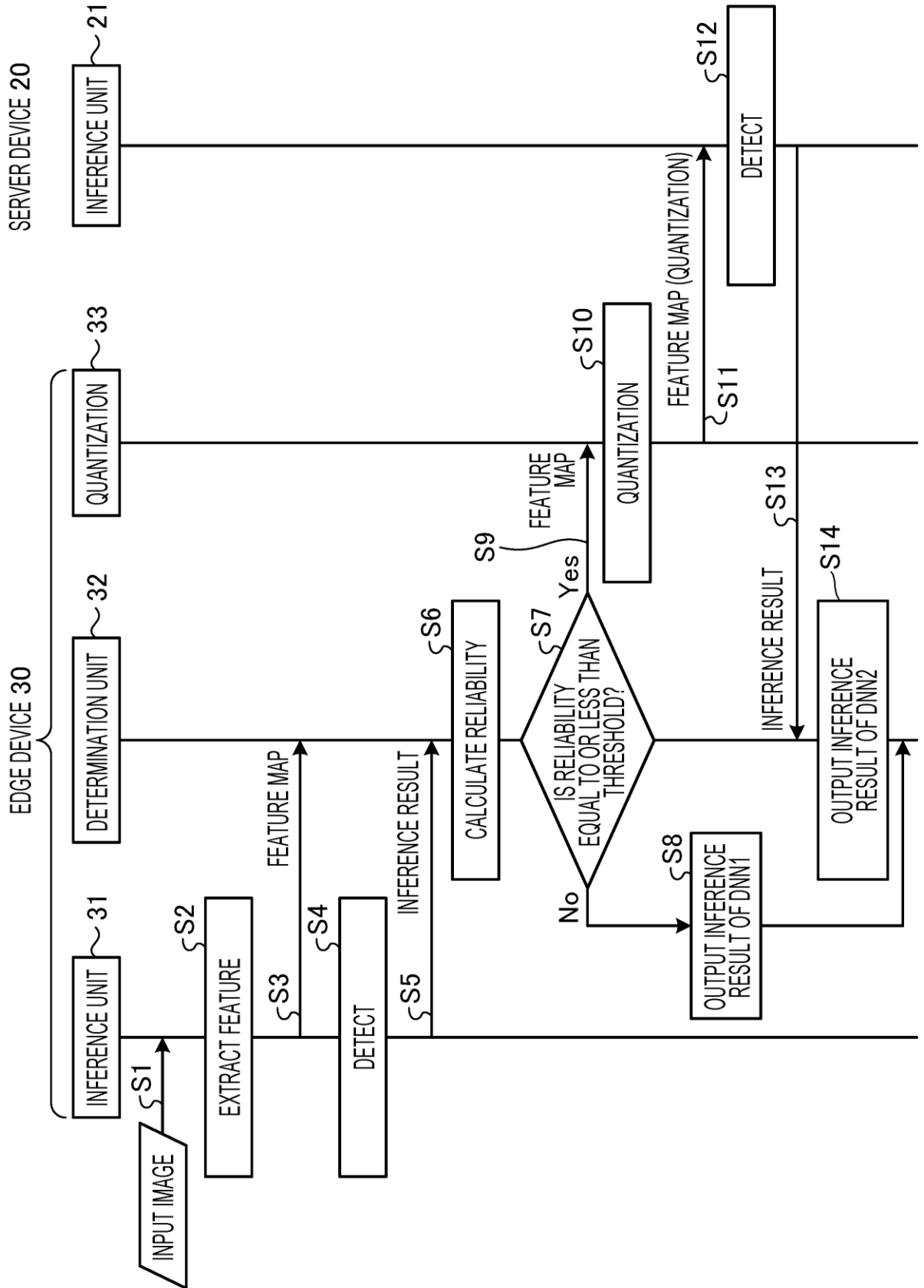


Fig. 8

CLASSIFICATION PERFORMANCE COMPARATION

	Rank-1(%)	Rank-5(%)	Processing Time(s/frame)
EDGE DEVICE	68.5	81.8	0.013
Darknet19(YOLO v2)	64.3	76.4	0.006
Darknet53(YOLO v3) (SERVER DEVICE)	81.2	98.2	0.023

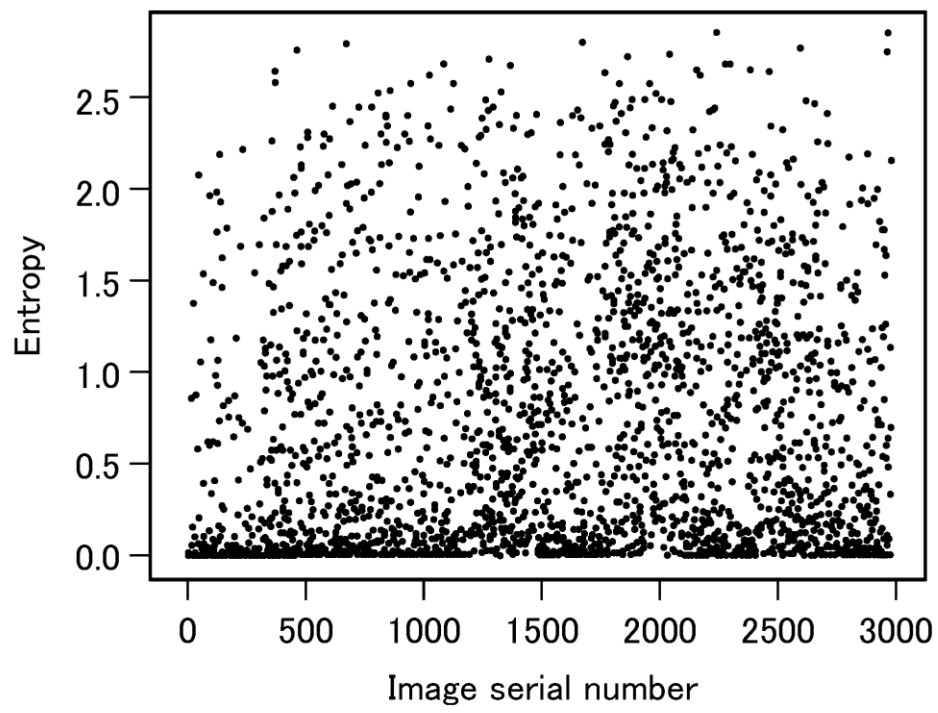
Fig. 9

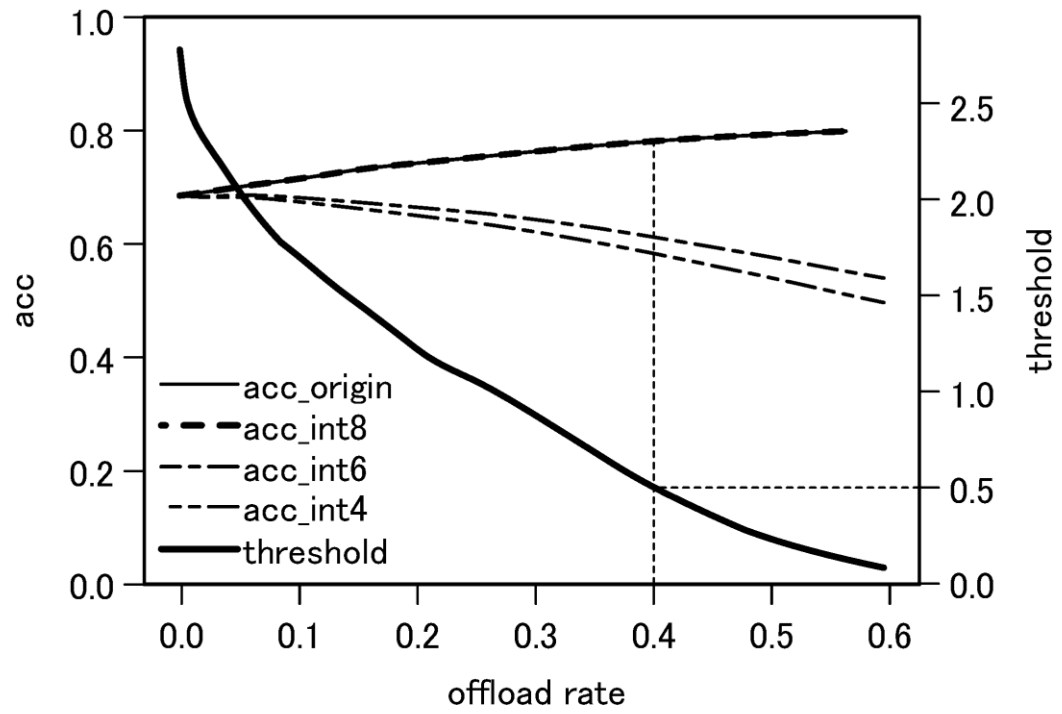
Fig. 10

Fig. 11

