Table 1: Accuracy of our method (TNAS-DCS) in terms of time and accuracy compared to state-of-the-art NAS methods. Approximate versions denoted as: (e) less **e**pochs, (n) smaller **n**etwork

Data	Method	GPU days	Accuracy
CIFAR-10	SETN	0.40	87.64$_{\pm 0.00}$
	GDAS	0.34	93.61$_{\pm 0.09}$
	PC-DARTS	0.17	93.66$_{\pm 0.17}$
	DrNAS	0.30	94.36$_{\pm 0.00}$
	MetaD2A	4.17	**94.37**$_{\pm 0.00}$
	TNAS-DCS	4.27	**94.37**$_{\pm 0.00}$
	TNAS-DCS (e)	0.36	**94.37**$_{\pm 0.00}$
CIFAR-100	SETN	0.73	59.09$_{\pm 0.24}$
	GDAS	0.64	70.70$_{\pm 0.30}$
	PC-DARTS	0.28	66.64$_{\pm 2.34}$
	DrNAS	0.45	**73.51**$_{\pm 0.00}$
	MetaD2A	4.17	**73.51**$_{\pm 0.00}$
	TNAS-DCS	4.27	**73.51**$_{\pm 0.00}$
	TNAS-DCS (e)	0.36	**73.51**$_{\pm 0.00}$
MNIST	SETN	0.87	99.69$_{\pm 0.04}$
	GDAS	0.76	99.64$_{\pm 0.04}$
	PC-DARTS	0.35	99.66$_{\pm 0.04}$
	DrNAS	0.57	99.59$_{\pm 0.02}$
	MetaD2A	2.50	99.71$_{\pm 0.02}$
	MetaD2A (e)	0.78	99.71$_{\pm 0.02}$
	MetaD2A (n)	0.78	99.71$_{\pm 0.02}$
	TNAS-DCS	2.52	99.78$_{\pm 0.02}$
	TNAS-DCS (e)	0.84	99.74$_{\pm 0.00}$
	TNAS-DCS (n)	0.84	**99.80**$_{\pm 0.00}$
Aircraft	SETN	0.46	44.84 $_{\pm 3.96}$
	GDAS	0.46	53.52$_{\pm 0.48}$
	PC-DARTS	0.29	26.33$_{\pm 3.40}$
	DrNAS	0.65	46.08$_{\pm 7.00}$
	MetaD2A	4.19	58.43$_{\pm 0.72}$
	MetaD2A (e)	0.30	58.43$_{\pm 0.72}$
	MetaD2A (n)	0.30	58.43$_{\pm 0.72}$
	TNAS-DCS	4.26	**59.69**$_{\pm 0.59}$
	TNAS-DCS (e)	0.36	58.43$_{\pm 0.28}$
	TNAS-DCS (n)	0.36	59.51$_{\pm 0.43}$
Pets	SETN	0.35	25.17$_{\pm 1.68}$
	GDAS	0.33	24.02$_{\pm 2.75}$
	PC-DARTS	0.28	25.31$_{\pm 1.38}$
	DrNAS	0.31	26.73$_{\pm 2.61}$
	MetaD2A	4.19	39.76$_{\pm 0.72}$
	MetaD2A (e)	0.30	39.76$_{\pm 0.72}$
	MetaD2A (n)	0.30	39.76$_{\pm 3.54}$
	TNAS-DCS	4.26	43.22$_{\pm 0.61}$
	TNAS-DCS (e)	0.36	**43.24**$_{\pm 1.27}$
	TNAS-DCS (n)	0.36	**43.24**$_{\pm 0.00}$
SVHN	SETN	1.61	96.02$_{\pm 0.04}$
	GDAS	1.46	95.57$_{\pm 0.04}$
	PC-DARTS	0.99	95.40$_{\pm 0.04}$
	DrNAS	1.24	96.30$_{\pm 0.02}$
	MetaD2A	15.05	96.34$_{\pm 0.05}$
	MetaD2A (e)	1.20	96.34$_{\pm 0.05}$
	MetaD2A (n)	1.20	96.34$_{\pm 0.05}$
	TNAS-DCS	15.18	**96.58**$_{\pm 0.01}$
	TNAS-DCS (e)	1.26	96.57$_{\pm 0.00}$
	TNAS-DCS (n)	1.26	96.57$_{\pm 0.00}$