model A	model B	A Wrong B Right	A Right B Wrong	Significance Level
RAN-single	RAN-mini	79	109	0.034
	Auto-single	57	81	0.050
	Auto-mini	64	95	0.021
	SNE-encoder	80	136	0.00018
	SNE	76	152	6.81e-07
	PCA	76	130	0.00022
	Pixel Space	70	246	7.38e-23
RAN-mini	Auto-single	89	83	0.70
	Auto-mini	90	91	1.00
	SNE-encoder	102	128	0.099
	SNE	97	143	0.0037
	PCA	94	118	0.11
	Pixel Space	85	231	3.48e-16
Auto-single	Auto-mini	84	91	0.65
	SNE-encoder	77	109	0.023
	SNE	70	122	0.00023
	PCA	77	107	0.033
	Pixel Space	67	219	4.37e-19
Auto-mini	SNE-encoder	92	117	0.097
	SNE	86	131	0.0028
	PCA	91	114	0.12
	Pixel Space	80	225	1.66e-16
SNE-encoder	SNE	52	72	0.088
	PCA	73	71	0.93
	Pixel Space	50	170	1.04e-15
SNE	PCA	94	72	0.10
	Pixel Space	34	134	2.23e-14
PCA	Pixel Space	63	185	1.56e-14

Table 1: The results of the Mcnemar test of several models described in the paper on the digit data.