	training			valid			test		
name	h1	h2	h3	h1	h2	h3	h1	h2	h3
doubleB	1.0226	1.903	2.2173	0.3954	1.198	**1.647**	**1.4031**	**4.0243**	**7.5561**
doubleT	0.2647	2.2774	4.4389	-0.1132	0.0675	0.2659	0.6522	2.3138	3.6513
triangleA	0.8183	0.7631	0.9665	0.0544	0.131	0.2665	0.1523	0.1636	0.2155
triangleD	0.2177	0.8533	0.3651	0.1232	0.0097	0.1769	-0.0998	-0.0003	0.1432
triangleSB	0.4994	0.4441	0.1755	0.0551	0.0288	-0.0307	0.0221	0.0875	0.3165
triangleST	-0.0482	0.3751	0.819	-0.1292	0.0095	-0.0518	0.032	0.0553	-0.0026
tripleB	0.8208	1.4201	2.9491	0.3011	0.6582	0.4903	0.7615	1.5591	2.4228
tripleT	**-0.2986**	**-0.1414**	1.1395	0.0076	0.1249	0.6994	0.1084	-0.0388	0.104
threeFP	0.9289	**2.9397**	**5.4933**	0.12	0.5969	1.5029	1.2542	2.9426	5.6261
threeRV	1.2387	1.5085	3.2866	**1.1477**	**1.8877**	1.4926	1.4398	2.7442	6.2458
HnSB	-0.0794	0.2879	0.716	0.0025	-0.0076	-0.0002	0.0526	0.1122	0.2012
HnST	-0.0121	0.8342	1.5262	0.0397	0.0171	0.0425	-0.0229	-0.0449	0.0104
broadenB	-0.1165	-0.0976	-0.0883	-0.0279	-0.0492	-0.0509	0.0137	0.0091	-0.0012
broadenT	0.0011	0.0036	0.0457	0.0158	0.0432	0.0155	-0.0055	0.0074	-0.0028
broadenFA	0.2964	0.0982	1.7785	0.1327	0.1242	0.1347	0.0039	0.0489	0.0272
broadenFD	-0.0198	-0.0049	0.048	-0.0139	0.0194	0.0153	0.0018	0.0343	0.0879
broadenWA	0.0198	1.5944	2.9186	-0.1183	0.0961	0.1566	0.1311	0.3824	0.9968
broadenWD	**2.0199**	2.1964	5.1841	0.2211	0.1838	0.0986	0.6363	0.6347	1.1336
rectB	-0.0831	0.0051	-0.0207	0.0423	0.0144	0.1034	0.0138	0.0446	0.0182
rectT	-0.0222	0.059	0.1558	-0.0277	-0.008	-0.0071	-0.0087	-0.0487	-0.0171
BnRB	1.8543	1.6746	5.3438	0.2987	0.2107	0.1876	0.8554	1.2666	2.3369
BnRT	-0.1444	1.3836	3.3215	-0.1297	0.1385	0.2155	0.1301	0.3575	1.4113
DHnSB	-0.0285	-0.0828	-0.0291	0.0319	0.023	0.0904	-0.0476	-0.1018	-0.0493
DHnST	-0.0169	0.0475	0.0296	0.0003	0.0109	0	0.0057	0.0233	0.0103
diaB	0.1024	0.1498	**-0.0933**	0.1181	-0.0991	-0.0621	0.0077	-0.0019	0.1462
diaT	-0.0797	0.0762	0.2688	-0.0427	0.0081	-0.0359	0.0654	0.1138	0.1531
HnDSB	-0.02	-0.0564	0	0	0	0	0	0	0
HnDSB	0	0	0	0	0	0	0	0	0
rp_20_50	1.3949	2.8086	4.9092	1.2259	2.5482	2.4652	1.3328	3.4734	6.3551
rp_100	1.7698	3.0882	5.501	1.1684	2.4036	2.7612	1.0965	3.738	7.6456
rp_example	1.601	3.0355	5.0743	0.8033	1.5278	1.101	1.3395	3.6658	7.5017

name	name2	x_0	V	E
double-bottom	doubleB	maxima	v_0:{x_1, x_3}	
double-top	doubleT	minima	v_0:{x_1, x_3}	
triangle-ascending	triangleA	maxima	v_0:{x_0, x_2, x_4}, v_1:{x_1}, v_2:{x_3}, v_3:{x_5}	(v_2, v_1), (v_3, v_2)
triangle-descending	triangleD	minima	v_0:{x_0, x_2, x_4}, v_1:{x_1}, v_2:{x_3}, v_3:{x_5}	(v_1, v_2), (v_2, v_3)
triangle-symmetric-bottom	triangleSB	maxima	v_0:{x_0}, v_1:{x_1}, v_2:{x_2}, v_3:{x_3}, v_4:{x_4}, v_5:{x_5}	(v_0, v_2), (v_2, v_4), (v_3, v_1), (v_5, v_3)
triangle-symmetric-top	triangleST	minima	v_0:{x_0}, v_1:{x_1}, v_2:{x_2}, v_3:{x_3}, v_4:{x_4}, v_5:{x_5}	(v_2, v_0), (v_4, v_2), (v_1, v_3), (v_3, v_5)
triple-bottom	tripleB	maxima	v_0:{x_1, x_3, x_5}	
triple-top	tripleT	minima	v_0:{x_1, x_3, x_5}	
three-falling-peak	threeFP	minima	v_0:{x_1}, v_1:{x_3}, v_2:{x_5}	(v_0, v_1), (v_1, v_2)
three-rising-valley	threeRV	maxima	v_0:{x_1}, v_1:{x_3}, v_2:{x_5}	(v_2, v_1), (v_1, v_0)
head-and-shoulder-bottom	HnSB	maxima	v_0:{x_0}, v_1:{x_1, x_5}, v_2:{x_2, x_4}, v_3:{x_3}, v_4:{x_6}	(v_2, v_0), (v_3, v_1), (v_2, v_4)
head-and-shoulder-top	HnST	minima	v_0:{x_0}, v_1:{x_1, x_5}, v_2:{x_2, x_4}, v_3:{x_3}, v_4:{x_6}	(v_0, v_2), (v_1, v_3), (v_4, v_2)
broaden-bottom	broadenB	maxima	v_0:{x_0}, v_1:{x_1}, v_2:{x_2}, v_3:{x_3}, v_4:{x_4}, v_5:{x_5}, v_6:{x_6}	(v_2, v_0), (v_3, v_1), (v_4, v_2), (v_5, v_3), (v_6, v_4)
broaden-top	broadenT	minima	v_0:{x_0}, v_1:{x_1}, v_2:{x_2}, v_3:{x_3}, v_4:{x_4}, v_5:{x_5}, v_6:{x_6}	(v_0, v_2), (v_1, v_3), (v_2, v_4), (v_3, v_5), (v_4, v_6)
broaden-formation-ascending	broadenFA	minima	v_0:{x_0, x_2, x_4}, v_1:{x_1}, v_2:{x_3}, v_3:{x_5}	(v_2, v_1), (v_3, v_2)
broaden-formation-descending	broadenFD	maxima	v_0:{x_0, x_2, x_4}, v_1:{x_1}, v_2:{x_3}, v_3:{x_5}	(v_1, v_2), (v_2, v_3)
broaden-wedge-ascending	broadenWA	maxima	v_0:{x_0}, v_1:{x_1}, v_2:{x_2}, v_3:{x_3}, v_4:{x_4}, v_5:{x_5}, v_6:{x_6}	(v_2, v_0), (v_3, v_1), (v_4, v_2), (v_5, v_3), (v_6, v_4)
broaden-wedge-descending	broadenWD	minima	v_0:{x_0}, v_1:{x_1}, v_2:{x_2}, v_3:{x_3}, v_4:{x_4}, v_5:{x_5}, v_6:{x_6}	(v_0, v_2), (v_1, v_3), (v_2, v_4), (v_3, v_5), (v_4, v_6)
rectangle-bottom	rectB	maxima	v_0:{x_0, x_2, x_4}, v_1:{x_1, x_3, x_5}	
rectangle-top	rectT	minima	v_0:{x_0, x_2, x_4}, v_1:{x_1, x_3, x_5}	
bump-and-run-reversal-bottom	BnRB	maxima	v_0:{x_0}, v_1:{x_1}, v_2:{x_2}, v_3:{x_3}, v_4:{x_4}, v_5:{x_5}, v_6:{x_6}	(v_0, v_2), (v_1, v_3), (v_2, v_4), (v_1, v_5), (v_4, v_6)
bump-and-run-reversal-top	BnRT	minima	v_0:{x_0}, v_1:{x_1}, v_2:{x_2}, v_3:{x_3}, v_4:{x_4}, v_5:{x_5}, v_6:{x_6}	(v_2, v_0), (v_3, v_1), (v_4, v_2), (v_5, v_1), (v_6, v_4)
double-head-and-shoulder-bottom	DHnSB	maxima	v_0:{x_0}, v_1:{x_1, x_7}, v_2:{x_2, x_4, x_6}, v_3:{x_3, x_5}, v_4:{x_8}	(v_2, v_0), (v_3, v_1), (v_2, v_4)
double-head-and-shoulder-top	DHnST	minima	v_0:{x_0}, v_1:{x_1, x_7}, v_2:{x_2, x_4, x_6}, v_3:{x_3, x_5}, v_4:{x_8}	(v_0, v_2), (v_1, v_3), (v_4, v_2)
diamond-bottom	diaB	maxima	v_0:{x_0}, v_1:{x_1}, v_2:{x_2}, v_3:{x_3}, v_4:{x_4}, v_5:{x_5}, v_6:{x_6}, v_7:{x_7}	(v_0, v_2), (v_3, v_1), (v_2, v_4), (v_6, v_4), (v_5, v_7)
diamond-top	diaT	minima	v_0:{x_0}, v_1:{x_1}, v_2:{x_2}, v_3:{x_3}, v_4:{x_4}, v_5:{x_5}, v_6:{x_6}, v_7:{x_7}	(v_2, v_0), (v_1, v_3), (v_4, v_2), (v_4, v_6), (v_7, v_5)
head-and-double-shoulder-bottom	HnDSB	maxima	v_0:{x_0}, v_1:{x_1, x_3, x_7, x_9}, v_2:{x_2, x_4, x_6, x_8}, v_3:{x_5}, v_4:{x_10}	(v_2, v_0), (v_3, v_1), (v2_, v_4)
head-and-double-shoulder-top	HnDST	minima	v_0:{x_0}, v_1:{x_1, x_3, x_7, x_9}, v_2:{x_2, x_4, x_6, x_8}, v_3:{x_5}, v_4:{x_10}	(v_0, v_2), (v_1, v_3), (v_4, v_2)