

Table I
DATA SETS USED IN THE EXPERIMENTS ALONG WITH THE HIDDEN
LAYER SIZES OF THE SLFNS.

Problem	Attributes	Classes	Hidden Nodes
Cancer	9	2	5
Pima Indians Diabetes	8	2	10
Glass Identification	9	7	10
Heart	13	2	5
Iris	4	3	10

Table II
PARTITION OF THE DATA SETS USED IN THE EXPERIMENTS.

Problem	Training	Validation	Testing	Total
Cancer	350	175	174	699
Pima Indians Diabetes	252	258	258	768
Glass Identification	144	50	50	336
Heart	130	70	70	214
Iris	70	40	40	150