

# List of Figures

2.1	Greedy algorithm based on $H(X_i, T_{train}^X)$	12
2.2	Error rates for UCI datasets	14
2.3	Number of nodes for UCI datasets	15
2.4	Error rates for artificial datasets	17
2.5	Number of nodes for artificial datasets	17
2.6	Probability of removing unwanted features	18
2.7	Error rates for 3-CV experiments	20
2.8	Number of nodes for 3-CV experiments	21
2.9	Error rates for 10-CV experiments	22
2.10	Number of nodes for 10-CV experiments	23
2.11	Number of selected features for 3-CV experiments	24
2.12	Number of selected features for 10-CV experiments	24
3.1	Tree representation of set of paraphrasings	46
3.2	Mutual recursive paraphrasing problem on <b>PAR</b>	47
3.3	Multiple paraphrasing problem on <b>PAR</b>	48
3.4	Input file 1	49
3.5	Input file 2	50
4.1	Flow of the prototype system	57
4.2	Concept hierarchy	62
4.3	Reasoning “stew” analogically	63
4.4	Reasoning “dice steak” analogically	64
4.5	Creativity support scheme by <i>Chie-no-Izumi</i>	69
5.1	Intuitive meaning of analogical reasoning	74
5.2	Abductive derivation	88
5.3	Consistency derivation	89
5.4	The addendum for the analogical proof procedure	90