p = lexical surface form; t = POS-tag; s = phrase type

Category	Description	templates
lexical features	stack top	ST_{pt}; ST_p; ST_t;
	current phrase	N_{0pt}; N_{0p}; N_{0t}
	next phrase	N_{1pt}; N_{1p}; N_{1t};
	ST and N0	$ST_{pt}N_{0pt}$; $ST_{pt}N_{0p}$;
	POS bigram	$N_{0t}N_{1t}$
	POS trigrams	$N_0 N_{1t} N_{2t}$;
	N0 phrase	$N_{0p}N_{1t}N_{2t}$;
semantic features	Conjunction of phrase label and pos tag	N_{0s}; N_{0ts}; N_{0ps}; N_{1s}; N_{1ts}; $ST_t N_{0s}$; $ST_s N_{0t}$; $ST_p N_{0s}$; $ST_t N_{0t}$; $ST_s N_{0s}$;
structural features	Indicates whether exists an edge between the stack top and next incoming phrase, and if so what type of edge	ArcLeft(ST_s, N_{0s}); ArcRight(ST_s, N_{0s})