<krl> ::= "TELL" <percept> |

"ASK" <str> <query>?

<percept> ::= <add\_frame> |

<remove\_frame> |

<update\_frame>

<add\_frame> ::= "ADD" ( "CLASS" | "INSTANCE" )

<str> "{" <str\_list> "}" "[" <slot\_list> "]"

<remove\_frame> ::= "DELETE" <str>

<update\_frame> ::= "UPDATE" <str> (

<update\_type> |

<update\_name> |

<update\_super> |

<update\_slots> )

<update\_type> ::= "TYPE" ("CLASS" | "INSTANCE")

<update\_name> ::= "NAME" <str>

<update\_super> ::= "SUPER" ( "ADD" | "REMOVE" ) <str>

<update\_slots> ::= "UPATE" "SLOT" ( ( ( "ADD" |

"REMOVE" |

"ADD\_VALUE" |

"DELETE\_VALUE" ) <str> ) |

<str> ":" <str> )

<query> ::= ( "SUPERS" |

"SUBS" |

"SLOTS" |

"TYPE" |

"TYPEOF" <str> |

"SLOT" <str> |

"SUBBEDBY" <str> )

<str\_list> ::= E | <ne\_str\_list>

<ne\_str\_list> ::= <str> "," <ne\_str\_list> | <str>

<slot\_list> ::= E | <ne\_slot\_list>

<ne\_slot\_list> ::= <slot> "," <ne\_slot\_list> | <slot>

<slot> ::= <str> ":" <str>? ( "{" <str\_list> "}" )?

<str> ::= ([A-Z] | [a-z] | [0-9] | "\_" )+