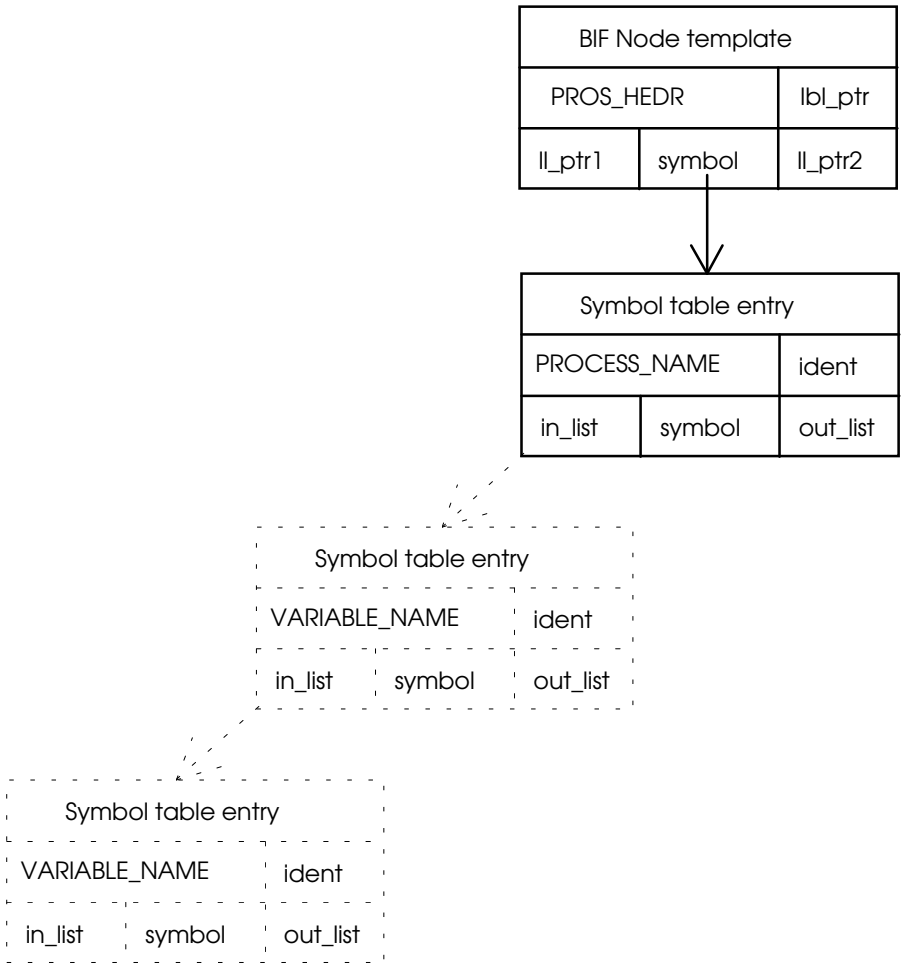
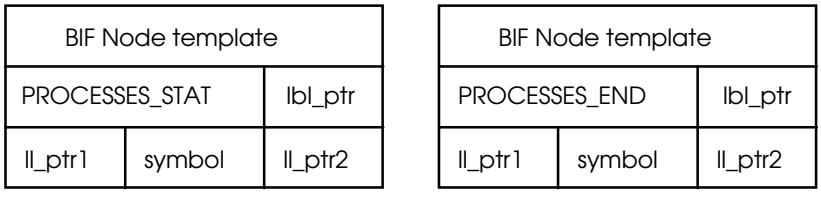
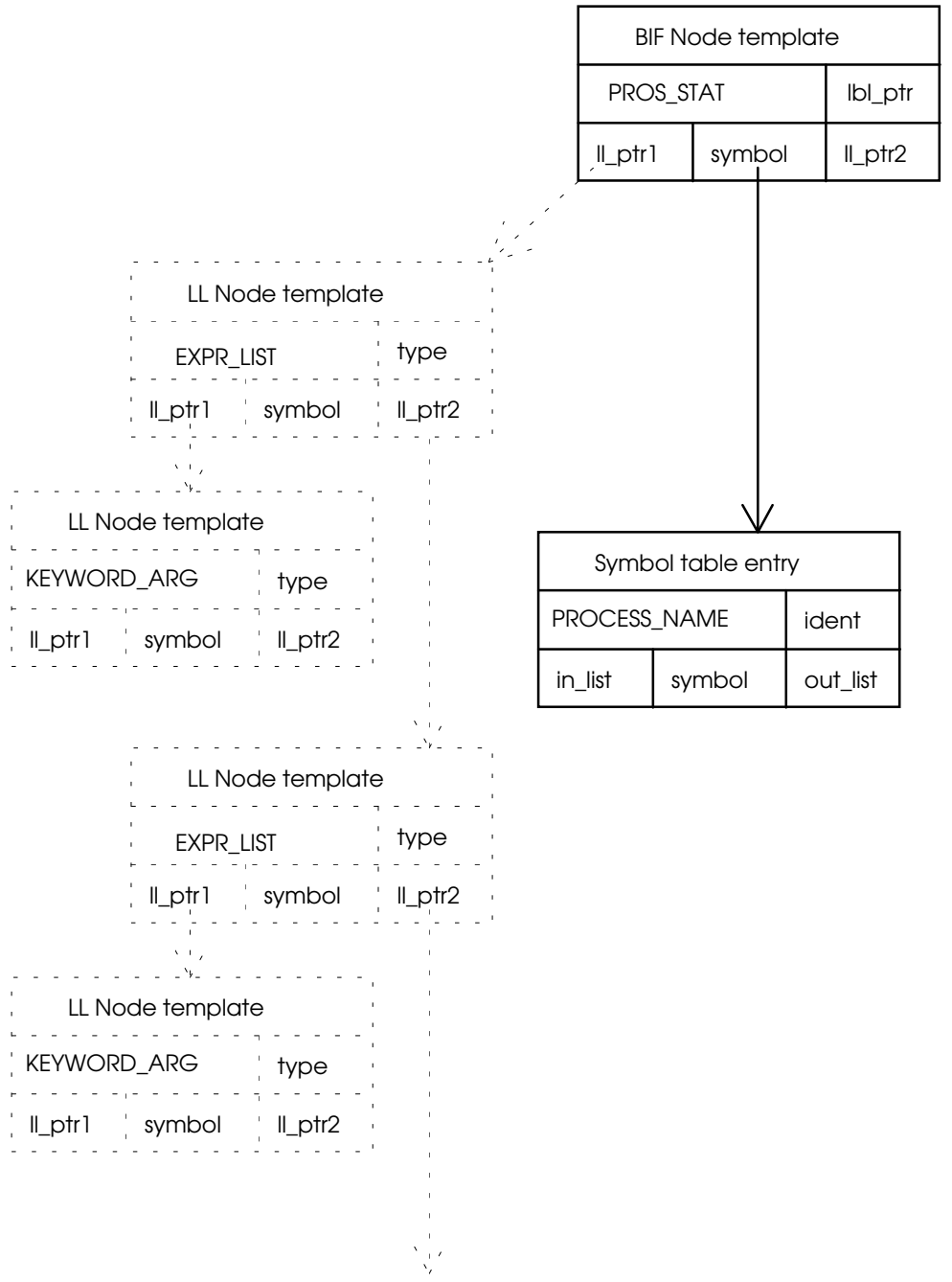
Fortran M

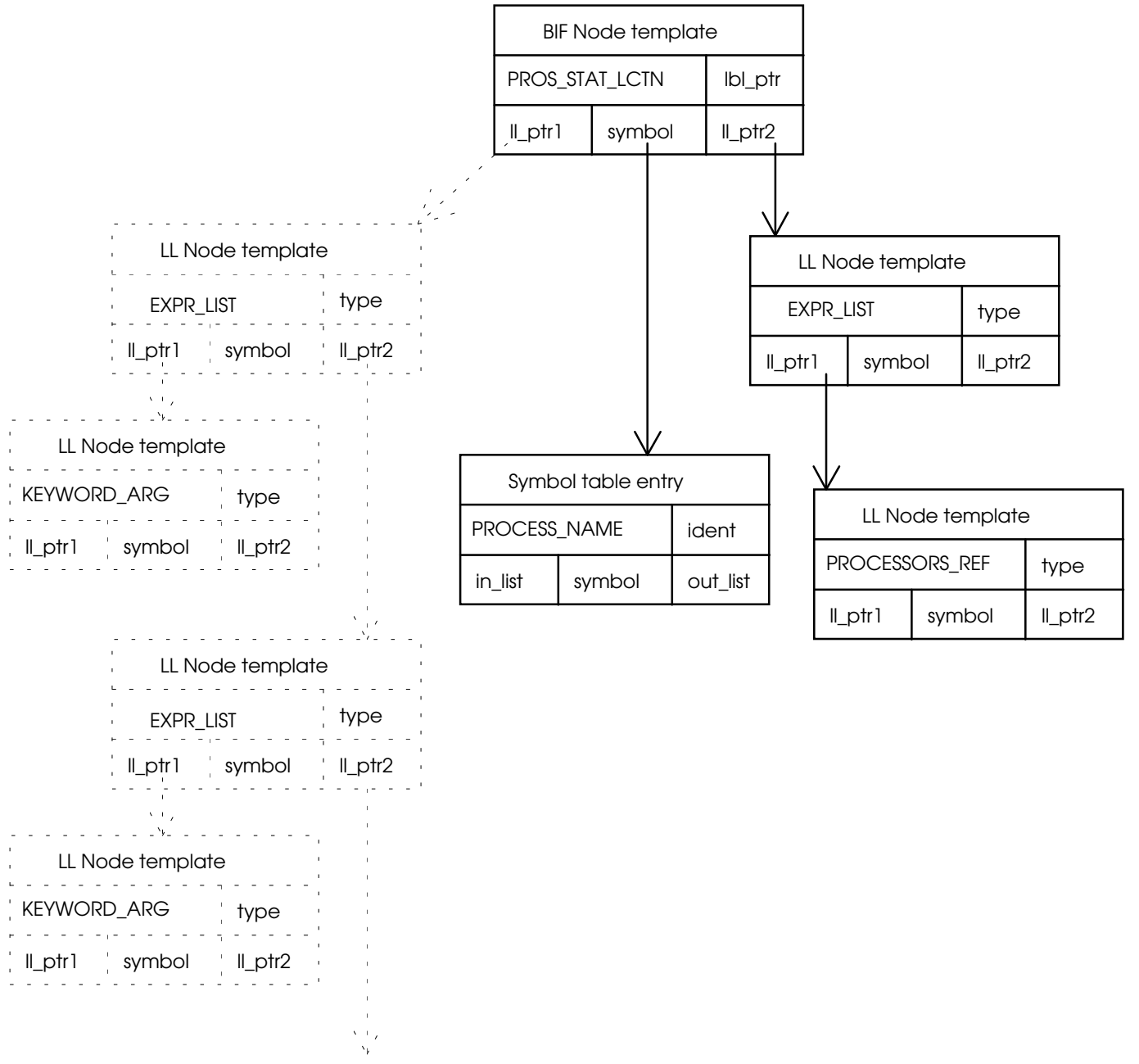
Intermediate Form

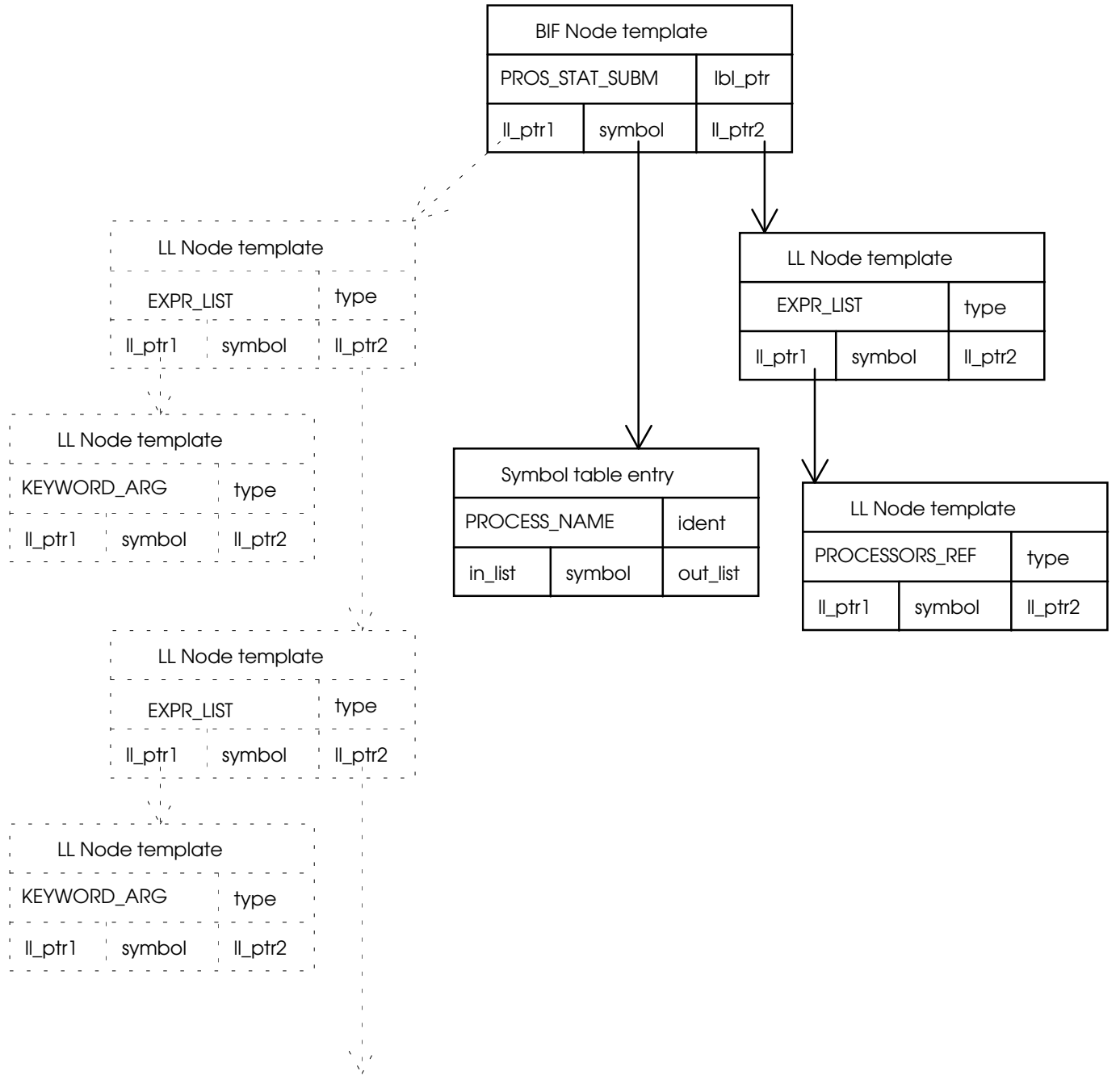
Structures

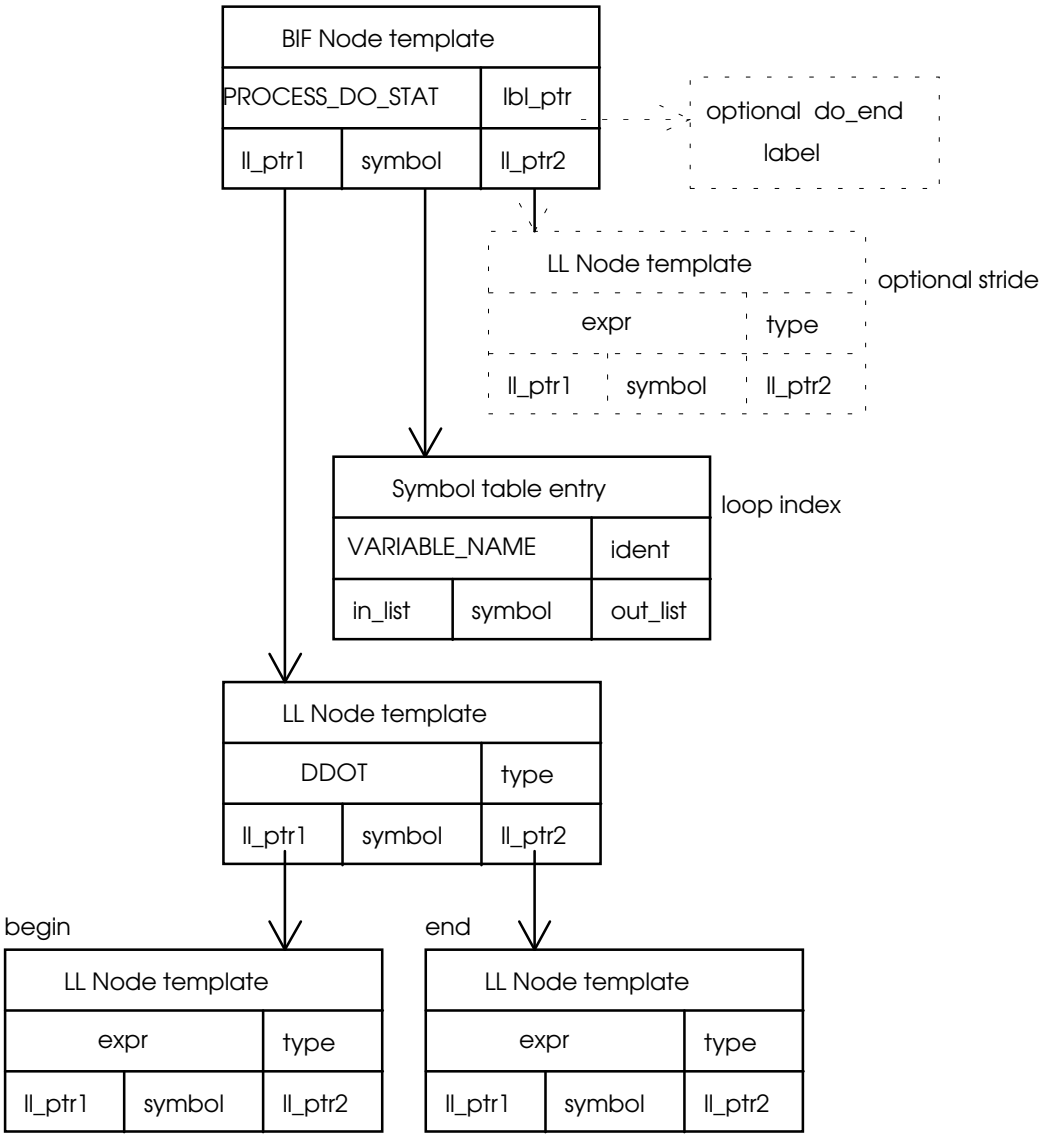

BIF Node template
PROS_HEDR
lbl_ptr
ll_ptr1
symbol
ll_ptr2
Symbol table entry
PROCESS_NAME
ident
in_list
symbol
out_list
Symbol table entry
VARIABLE_NAME
ident
in_list
symbol
out_list
Symbol table entry
VARIABLE_NAME
ident
in_list
symbol
out_list

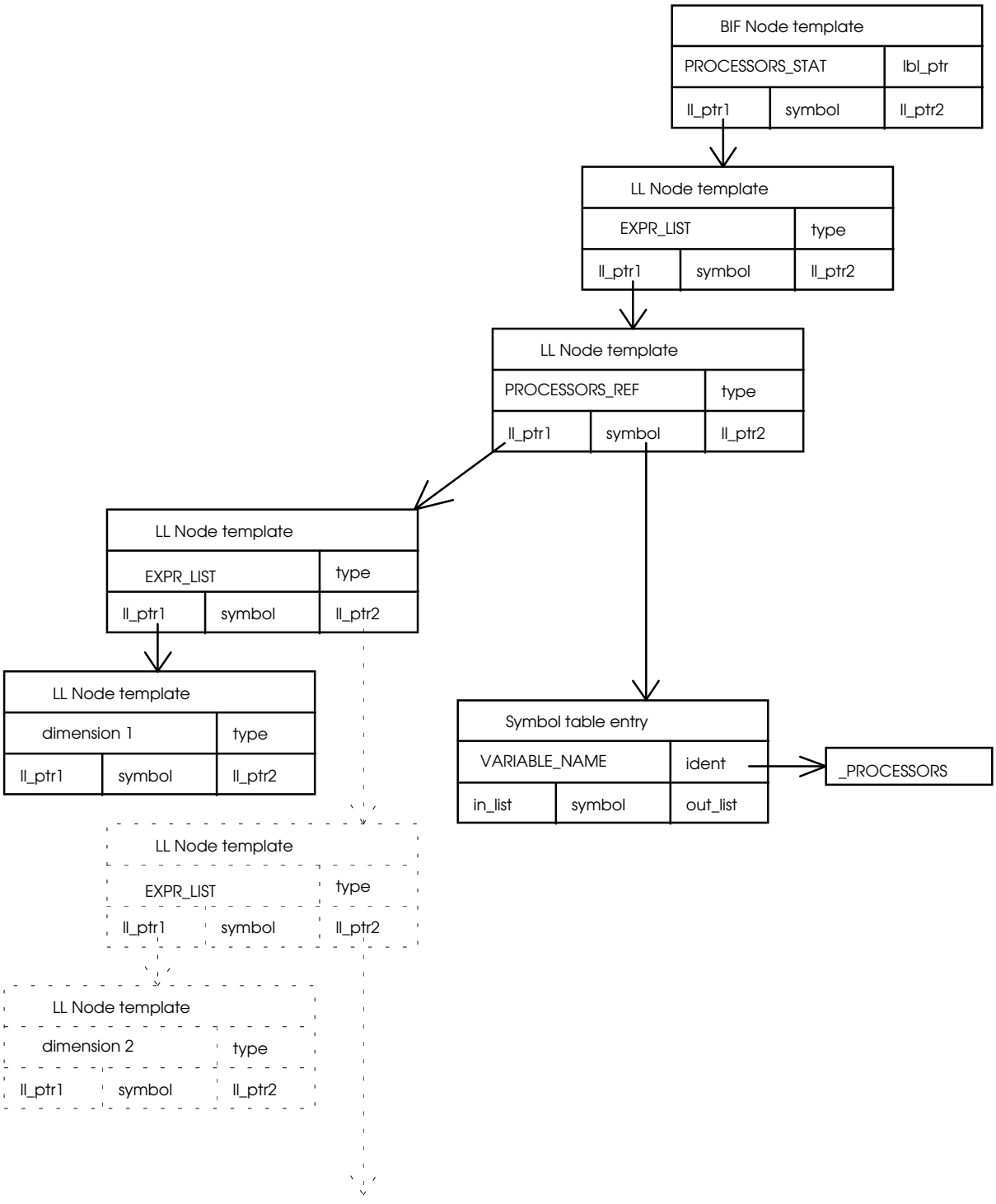

BIF Node template
PROCESSES_STAT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
BIF Node template
PROCESSES_END
lbl_ptr
ll_ptr1
symbol
ll_ptr2

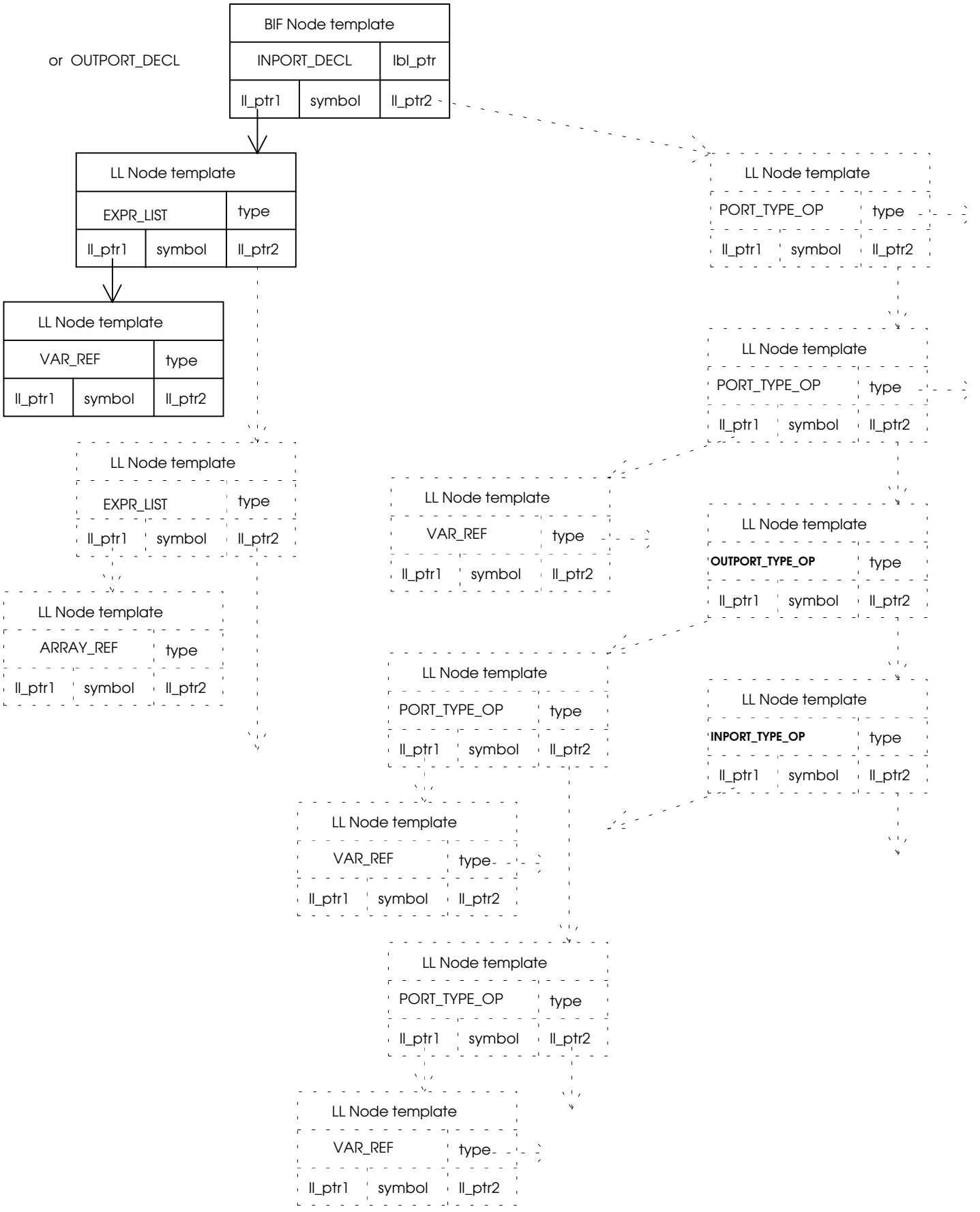

BIF Node template
PROS_STAT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
KEYWORD_ARG
type
ll_ptr1
symbol
ll_ptr2
Symbol table entry
PROCESS_NAME
ident
in_list
symbol
out_list
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
KEYWORD_ARG
type
ll_ptr1
symbol
ll_ptr2

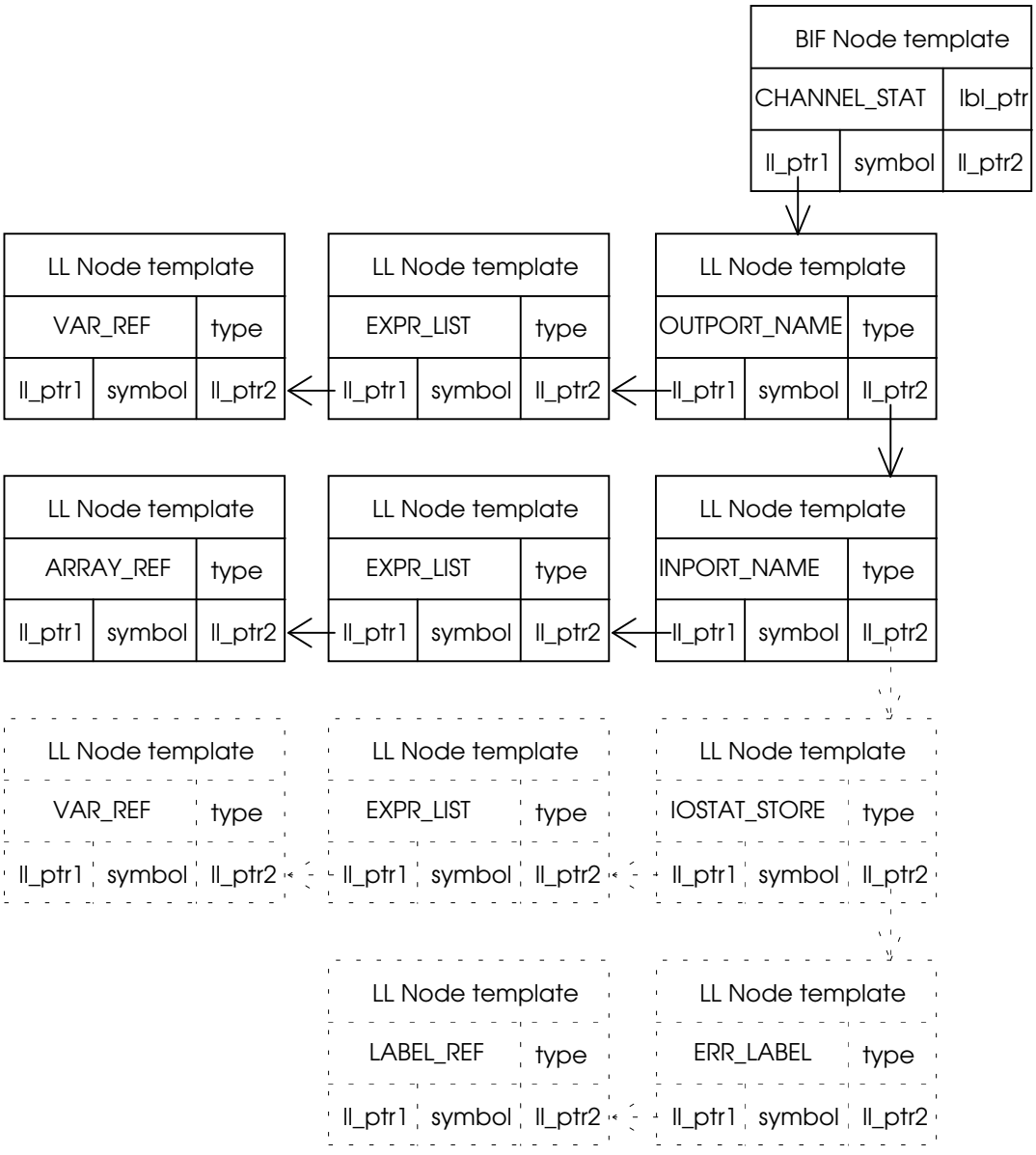

BIF Node template
PROS_STAT_LCTN
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
KEYWORD_ARG
type
ll_ptr1
symbol
ll_ptr2
Symbol table entry
PROCESS_NAME
ident
in_list
symbol
out_list
LL Node template
PROCESSORS_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
KEYWORD_ARG
type
ll_ptr1
symbol
ll_ptr2

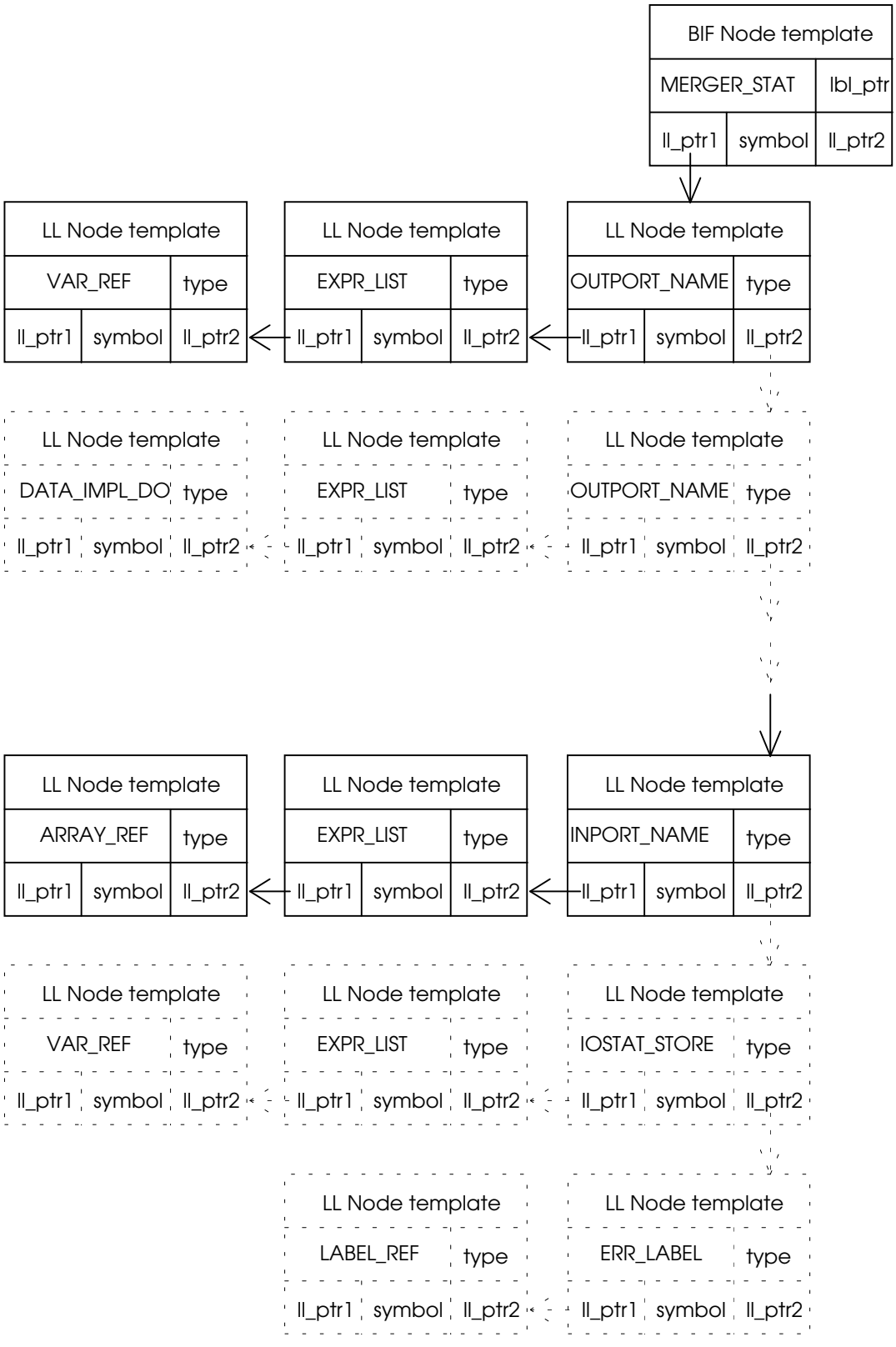

BIF Node template
PROS_STAT_SUBM
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
KEYWORD_ARG
type
ll_ptr1
symbol
ll_ptr2
Symbol table entry
PROCESS_NAME
ident
in_list
symbol
out_list
LL Node template
PROCESSORS_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
KEYWORD_ARG
type
ll_ptr1
symbol
ll_ptr2


BIF Node template
PROCESS_DO_STAT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
optional do_end label
LL Node template
optional stride
expr
type
ll_ptr1
symbol
ll_ptr2
Symbol table entry
loop index
VARIABLE_NAME
ident
in_list
symbol
out_list
LL Node template
DDOT
type
ll_ptr1
symbol
ll_ptr2
begin
end
LL Node template
expr
type
ll_ptr1
symbol
ll_ptr2
LL Node template
expr
type
ll_ptr1
symbol
ll_ptr2


BIF Node template
PROCESSORS_STAT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
PROCESSORS_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
dimension 1
type
ll_ptr1
symbol
ll_ptr2
Symbol table entry
VARIABLE_NAME
ident
_PROCESSORS
in_list
symbol
out_list
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
dimension 2
type
ll_ptr1
symbol
ll_ptr2


BIF Node template
or OUTPORT_DECL
INPORT_DECL
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
PORT_TYPE_OP
type
ll_ptr1
symbol
ll_ptr2
LL Node template
PORT_TYPE_OP
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
OUTPORT_TYPE_OP
type
ll_ptr1
symbol
ll_ptr2
LL Node template
ARRAY_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
PORT_TYPE_OP
type
ll_ptr1
symbol
ll_ptr2
LL Node template
INPORT_TYPE_OP
type
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
PORT_TYPE_OP
type
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2


BIF Node template
CHANNEL_STAT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
OUTPORT_NAME
type
ll_ptr1
symbol
ll_ptr2
LL Node template
ARRAY_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
INPORT_NAME
type
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
IOSTAT_STORE
type
ll_ptr1
symbol
ll_ptr2
LL Node template
LABEL_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
ERR_LABEL
type
ll_ptr1
symbol
ll_ptr2


BIF Node template
MERGER_STAT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
OUTPORT_NAME
type
ll_ptr1
symbol
ll_ptr2
LL Node template
DATA_IMPL_DO
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
OUTPORT_NAME
type
ll_ptr1
symbol
ll_ptr2
LL Node template
ARRAY_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
INPORT_NAME
type
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
IOSTAT_STORE
type
ll_ptr1
symbol
ll_ptr2
LL Node template
LABEL_REF
type
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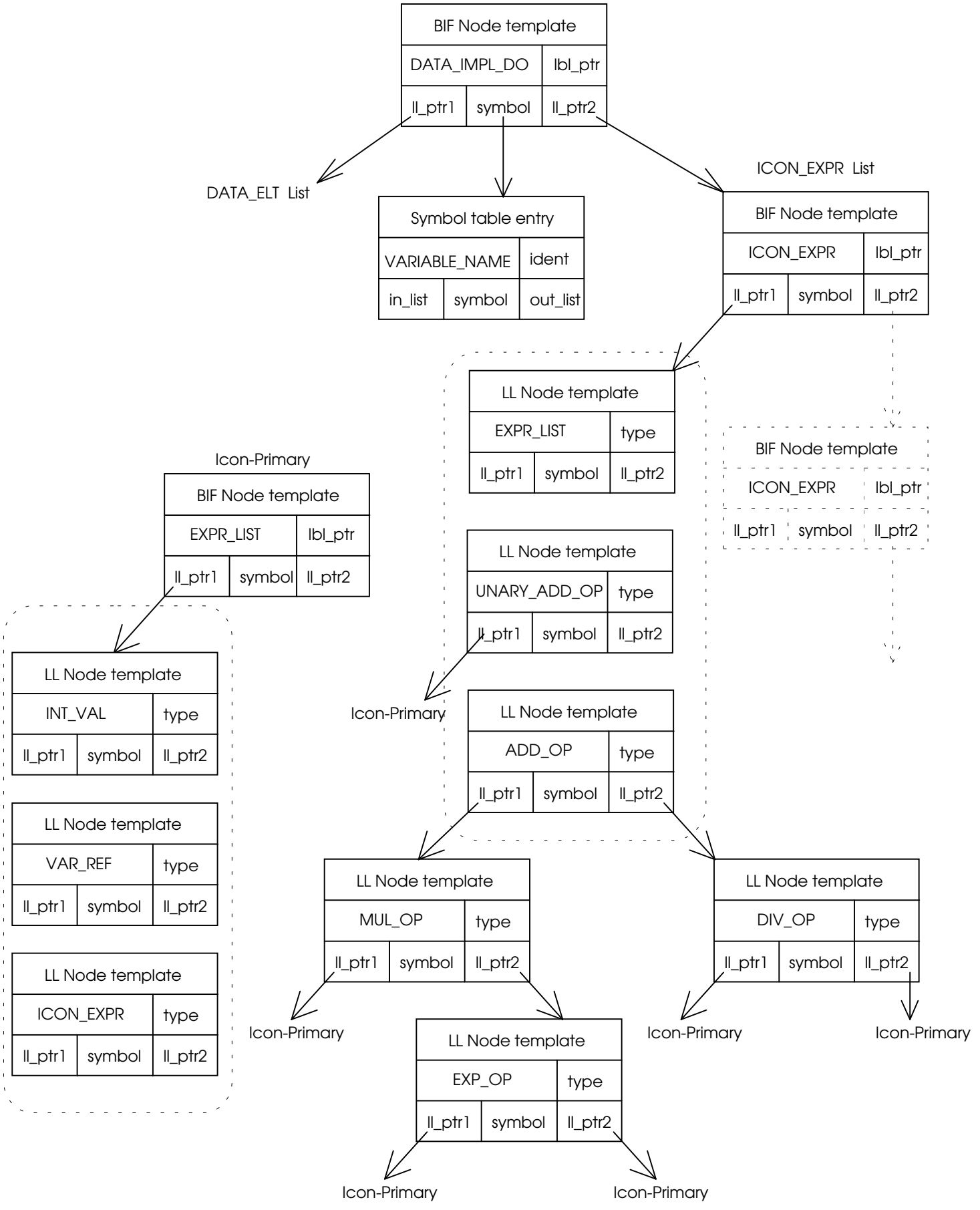
symbol
ll_ptr2
LL Node template
ERR_LABEL
type
ll_ptr1
symbol
ll_ptr2


BIF Node template
DATA_IMPL_DO
lbl_ptr
ll_ptr1
symbol
ll_ptr2
DATA_ELT List
Symbol table entry
VARIABLE_NAME
ident
in_list
symbol
out_list
ICON_EXPR List
BIF Node template
ICON_EXPR
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
BIF Node template
ICON_EXPR
lbl_ptr
ll_ptr1
symbol
ll_ptr2
Icon-Primary
BIF Node template
EXPR_LIST
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
UNARY_ADD_OP
type
ll_ptr1
symbol
ll_ptr2
Icon-Primary
LL Node template
ADD_OP
type
ll_ptr1
symbol
ll_ptr2
LL Node template
INT_VAL
type
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
ICON_EXPR
type
ll_ptr1
symbol
ll_ptr2
LL Node template
MUL_OP
type
ll_ptr1
symbol
ll_ptr2
LL Node template
DIV_OP
type
ll_ptr1
symbol
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Icon-Primary
Icon-Primary
Icon-Primary
LL Node template
EXP_OP
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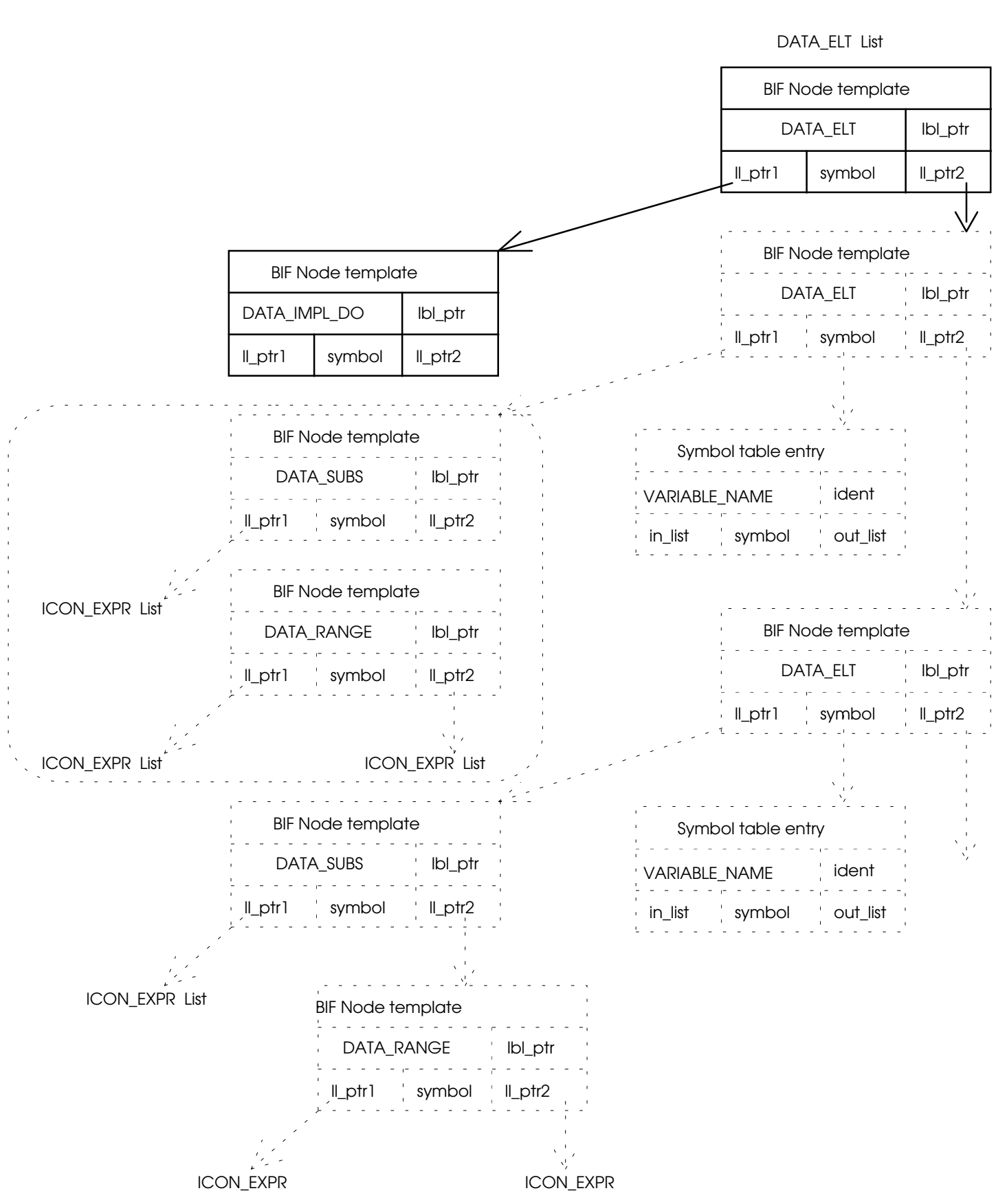
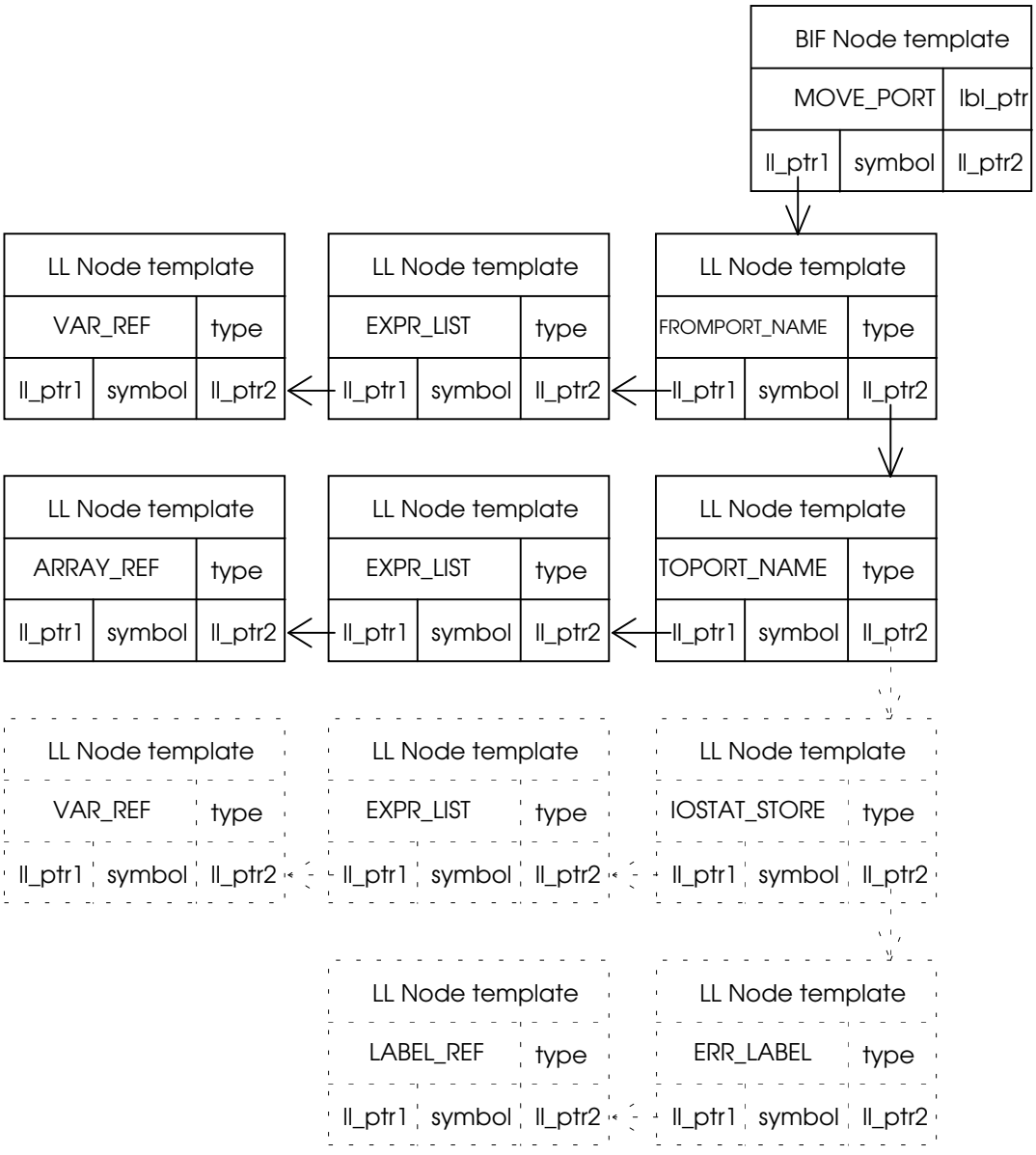
symbol
ll_ptr2
Icon-Primary
Icon-Primary


DATA_ELT List
BIF Node template
DATA_ELT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
BIF Node template
DATA_IMPL_DO
lbl_ptr
ll_ptr1
symbol
ll_ptr2
BIF Node template
DATA_ELT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
BIF Node template
DATA_SUBS
lbl_ptr
ll_ptr1
symbol
ll_ptr2
Symbol table entry
VARIABLE_NAME
ident
in_list
symbol
out_list
ICON_EXPR List
BIF Node template
DATA_RANGE
lbl_ptr
ll_ptr1
symbol
ll_ptr2
BIF Node template
DATA_ELT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
ICON_EXPR List
ICON_EXPR List
BIF Node template
DATA_SUBS
lbl_ptr
ll_ptr1
symbol
ll_ptr2
Symbol table entry
VARIABLE_NAME
ident
in_list
symbol
out_list
ICON_EXPR List
BIF Node template
DATA_RANGE
lbl_ptr
ll_ptr1
symbol
ll_ptr2
ICON_EXPR
ICON_EXPR


BIF Node template
MOVE_PORT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
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symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
FROMPORT_NAME
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symbol
ll_ptr2
LL Node template
ARRAY_REF
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symbol
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LL Node template
EXPR_LIST
type
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symbol
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LL Node template
TOPORT_NAME
type
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symbol
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LL Node template
VAR_REF
type
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symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
IOSTAT_STORE
type
ll_ptr1
symbol
ll_ptr2
LL Node template
LABEL_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
ERR_LABEL
type
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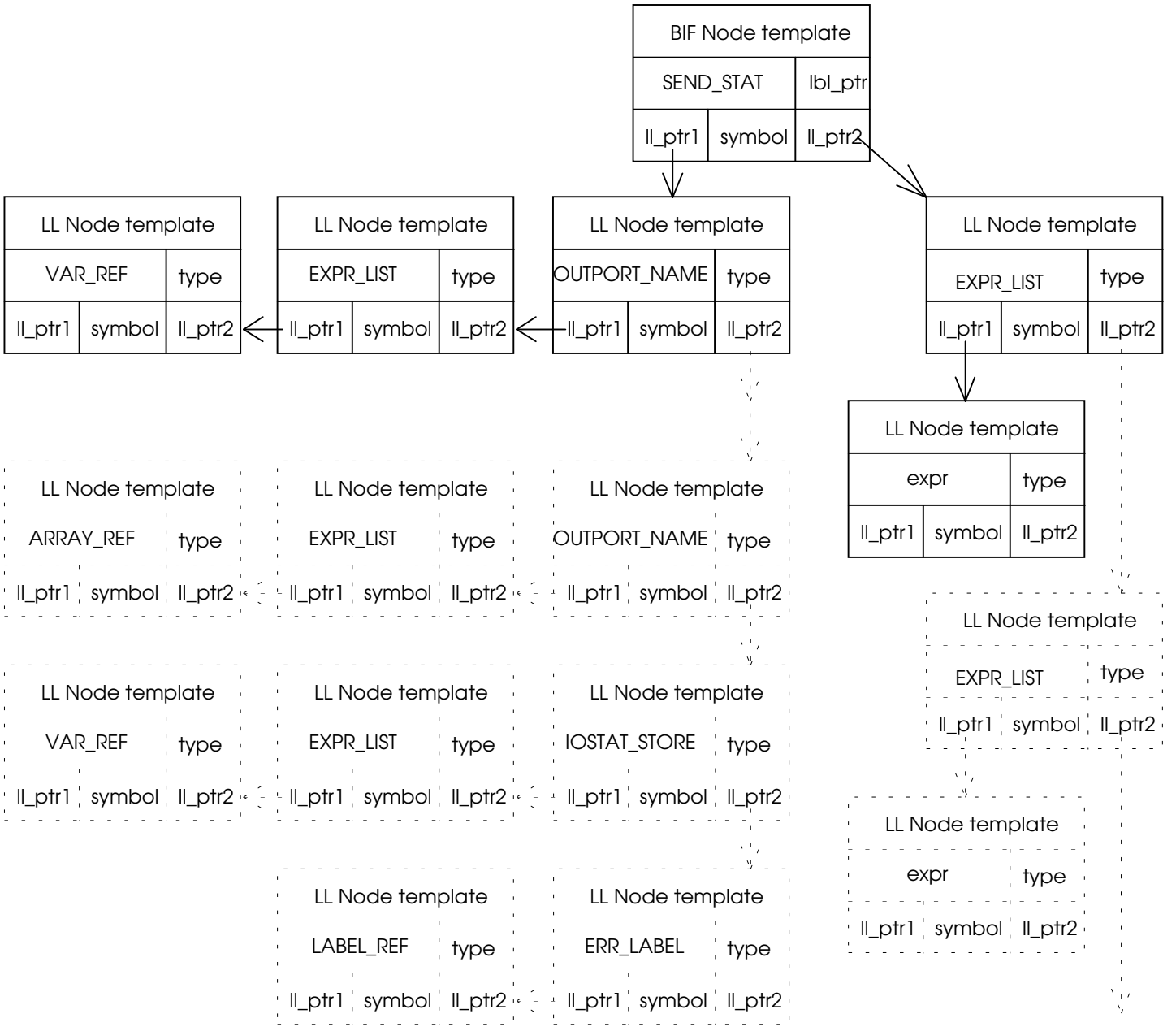
symbol
ll_ptr2


BIF Node template
SEND_STAT
lbl_ptr
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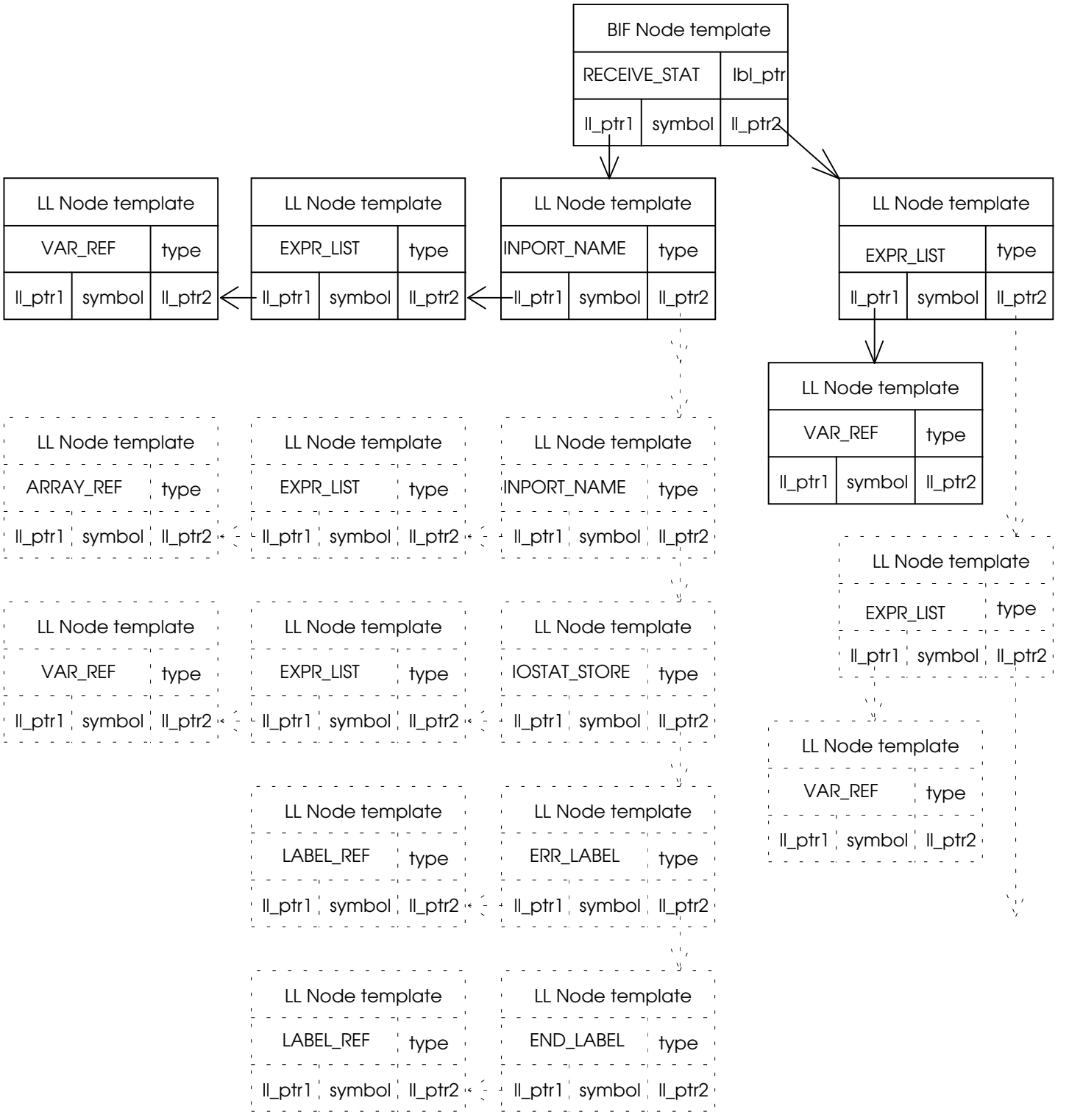
ll_ptr2
LL Node template
VAR_REF
type
EXPR_LIST
OUTPORT_NAME
expr
ARRAY_REF
IOSTAT_STORE
LABEL_REF
ERR_LABEL


BIF Node template
RECEIVE_STAT
lbl_ptr
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symbol
ll_ptr2
LL Node template
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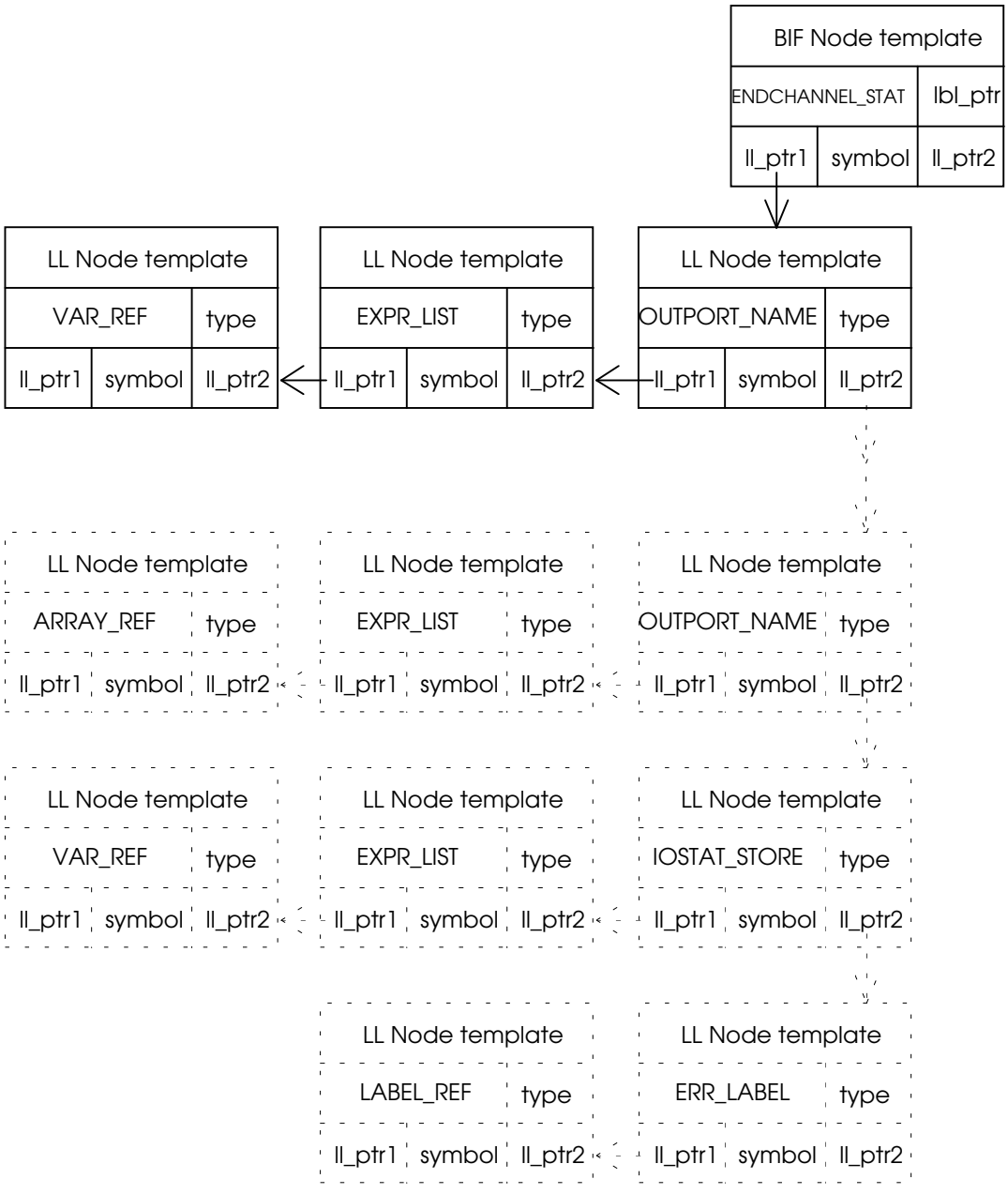
type
EXPR_LIST
INPORT_NAME
ARRAY_REF
IOSTAT_STORE
LABEL_REF
ERR_LABEL
END_LABEL


BIF Node template
ENDCHANNEL_STAT
lbl_ptr
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
OUTPORT_NAME
type
ll_ptr1
symbol
ll_ptr2
LL Node template
ARRAY_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
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symbol
ll_ptr2
LL Node template
OUTPORT_NAME
type
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
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symbol
ll_ptr2
LL Node template
EXPR_LIST
type
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symbol
ll_ptr2
LL Node template
IOSTAT_STORE
type
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symbol
ll_ptr2
LL Node template
LABEL_REF
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symbol
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LL Node template
ERR_LABEL
type
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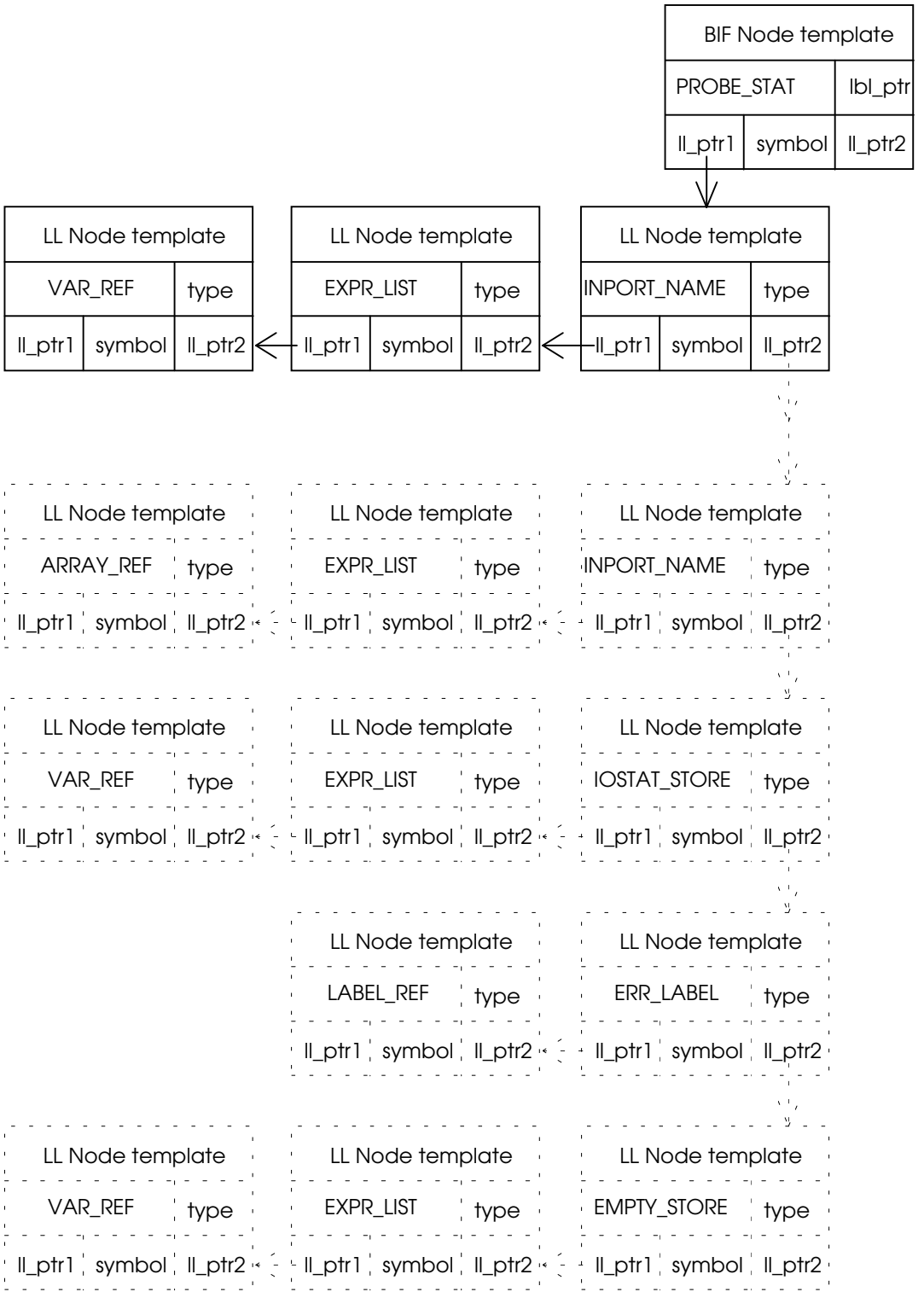
symbol
ll_ptr2


BIF Node template
PROBE_STAT
lbl_ptr
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symbol
ll_ptr2
LL Node template
VAR_REF
type
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symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
INPORT_NAME
type
ll_ptr1
symbol
ll_ptr2
LL Node template
ARRAY_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
INPORT_NAME
type
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symbol
ll_ptr2
LL Node template
VAR_REF
type
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symbol
ll_ptr2
LL Node template
EXPR_LIST
type
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symbol
ll_ptr2
LL Node template
IOSTAT_STORE
type
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symbol
ll_ptr2
LL Node template
LABEL_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
ERR_LABEL
type
ll_ptr1
symbol
ll_ptr2
LL Node template
VAR_REF
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EXPR_LIST
type
ll_ptr1
symbol
ll_ptr2
LL Node template
EMPTY_STORE
type
ll_ptr1
symbol
ll_ptr2