

Mjølnér System: Grammars

Mjølnér Informatics Report

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Beta Grammar

```
contractioncategories
  MainPart Attributes Imperatives
--- beta : aGrammar : metagrammar ---
```

Grammar beta :

Option

```
version = 9
comBegin = '('
comEnd = ')'
stringChar = '\\'
splitString = true
suffix = '.bet'
```

Rule

```
<BetaForm> ::= | <DescriptorForm>
              | <AttributesForm>
              ;
<DescriptorForm> ::= <ObjectDescriptor>
                    ;
<AttributesForm> ::= <Attributes>
                    ;
<ObjectDescriptor> ::= <PrefixOpt> <MainPart>
                      ;
<MainPart> ::= '(#' <Attributes> <ActionPart> '#)'
             ;
<Attributes> ::=+ <AttributeDeclOpt> ';'
<PrefixOpt> ::=? <Prefix>;
<Prefix> ::= <AttributeDenotation>;
<AttributeDeclOpt> ::=? <AttributeDecl>;
<AttributeDecl> ::= | <PatternDecl>
                    | <SimpleDecl>
                    | <RepetitionDecl>
                    | <VirtualDecl>
                    | <BindingDecl>
                    | <FinalDecl>
                    | <ErrorDecl>
                    ;
<PatternDecl> ::= <Names> ':' <ObjectDescriptor>;
<SimpleDecl> ::= <Names> ':' <referenceSpecification>;
<RepetitionDecl> ::= <Names> ':' '[' <index> ']' <referenceSpecification>;
<VirtualDecl> ::= <Names> ':' '<' <ObjectSpecification>;
<BindingDecl> ::= <Names> ':' ':' '<' <ObjectSpecification>;
<FinalDecl> ::= <Names> ':' ':' <ObjectSpecification>;
<VariablePattern> ::= '##' <AttributeDenotation>;
```

Beta Grammar

```
<referenceSpecification> ::= | <StaticItem>
                          | <DynamicItem>
                          | <StaticComponent>
                          | <DynamicComponent>
                          | <VariablePattern>
                          ;

<StaticItem> ::= '@' <ObjectSpecification>;

<DynamicItem> ::= '^' <AttributeDenotation>;

<StaticComponent> ::= '@' '|' <ObjectSpecification>;

<DynamicComponent> ::= '^' '|' <AttributeDenotation>;

<ObjectSpecification> ::= | <ObjectDescriptor>
                          | <AttributeDenotation>
                          ;

<Index> ::= | <SimpleIndex>
           | <NamedIndex>
           ;

<NamedIndex> ::= <NameDcl> ':' <Evaluation>;

<ActionPart> ::= <EnterPartOpt> <DoPartOpt> <ExitPartOpt>;

<EnterPartOpt> ::? <EnterPart>;
<DoPartOpt>    ::? <DoPart>;
<ExitPartOpt>  ::? <ExitPart>;

<EnterPart>    ::= 'enter' <Evaluation>;
<DoPart>       ::= 'do' <Imperatives>;
<ExitPart>     ::= 'exit' <Evaluation>;

<Imperatives> ::=+ <ImpOpt> ';' ;
<ImpOpt>      ::? <Imp>;

<Imp> ::= | <LabelledImp>
          | <ForImp>
          | <SimpleIfImp>
          | <GeneralIfImp>
          | <LeaveImp>
          | <RestartImp>
          | <InnerImp>
          | <SuspendImp>
          | <Evaluation>
          | <CodeImp>
          | <errorImp>;

<LabelledImp> ::= <NameDcl> ':' <Imp>;

<ForImp> ::= '(' 'for' <Index> 'repeat' <Imperatives> 'for' ')';

<GeneralIfImp> ::= '(' 'if' <Evaluation> <Alternatives> <ElsePartOpt> 'if' ')';

<SimpleIfImp> ::= '(' 'if' <Evaluation> 'then' <Imperatives> <ElsePartOpt> 'if' ')';

<LeaveImp> ::= 'leave' <NameApl>;

<RestartImp> ::= 'restart' <NameApl>;

<InnerImp>   ::= 'inner' <NameAplOpt>;

<NameAplOpt> ::? <NameApl> ;
```

Beta Grammar

```

<SuspendImp> ::= 'suspend' ;

<CodeImp> ::= '(' 'code' <CodeItems> 'code' ')';

<Alternatives> ::=+ <Alternative> ;
<Alternative> ::= <Selections> 'then' <Imperatives>;

<Selections> ::=+ <Selection> ;
<Selection> ::=| <CaseSelection> ;

<CaseSelection> ::= '//' <evaluation>;

<ElsePartOpt> ::=? <ElsePart>;
<ElsePart> ::= 'else' <Imperatives>;

<Evaluations> ::=+ <Evaluation> ',';

<Evaluation> ::=| <Expression>
                | <AssignmentEvaluation>;

<AssignmentEvaluation> ::= <Evaluation> '->' <Transaction>;

<Transaction> ::=| <ObjectEvaluation>
                  | <ComputedObjectEvaluation>
                  | <ObjectReference>
                  | <EvalList>
                  | <StructureReference>
                  | <Primitive>
                  | <Address>
                  ;

<ObjectEvaluation> ::=| <InsertedItem>
                       | <reference>
                       ;

<Reference> ::=| <ObjectDenotation>
                | <DynamicObjectGeneration>
                ;

<DynamicObjectGeneration> ::=| <DynamicItemGeneration>
                              | <DynamicComponentGeneration>
                              ;

<InsertedItem> ::= <ObjectDescriptor> ;
<ObjectDenotation> ::= <AttributeDenotation> ;
<ComputedObjectEvaluation> ::= <ObjectEvaluation> '!';
<ObjectReference> ::= <Reference> '[';
<StructureReference> ::= <AttributeDenotation> '##';
<EvalList> ::= '(' <Evaluations> ')';
<DynamicItemGeneration> ::= '&' <ObjectSpecification>;
<DynamicComponentGeneration> ::= '&' '|' <ObjectSpecification>;
<Primitive> ::= 'tos' <SimpleEntry>;
<Address> ::= '@@' <AttributeDenotation>;

<AttributeDenotation> ::=| <NameApl>
                        | <Remote>
                        | <ComputedRemote>
                        | <Indexed>
                        | <ThisObject>
                        | <RemotePrimitive>
                        ;

<Remote> ::= <AttributeDenotation> '.' <NameApl>;
<ComputedRemote> ::= '(' <Evaluations> ')' '.' <NameApl> ;
<Indexed> ::= <AttributeDenotation> '[' <Evaluation> ']';
<ThisObject> ::= 'this' '(' <NameApl> ')';
<RemotePrimitive> ::= <AttributeDenotation> '.%' <NameApl>;

<Expression> ::=| <RelationalExp> | <SimpleExp> ;

```

Beta Grammar

```

<RelationalExp> ::= | <EqExp> | <LtExp> | <LeExp>
                  | <GtExp> | <GeExp> | <NeExp>
                  ;

<SimpleExp>      ::= | <AddExp> | <SignedTerm> | <Term> ;

<AddExp>         ::= | <PlusExp> | <MinusExp> | <OrExp> | <XorExp>;

<SignedTerm>    ::= | <unaryPlusExp> | <unaryMinusexp>;

<Term>          ::= | <MulExp> | <Factor> ;

<MulExp>        ::= | <TimesExp> | <RealDivExp> | <IntDivExp>
                  | <ModExp> | <AndExp> | <PrimitiveExp> ;

<EqExp> ::= <Operand1:SimpleExp> '=' <Operand2:SimpleExp>;
<LtExp> ::= <Operand1:SimpleExp> '<' <Operand2:SimpleExp>;
<LeExp> ::= <Operand1:SimpleExp> '<=' <Operand2:SimpleExp>;
<GtExp> ::= <Operand1:SimpleExp> '>' <Operand2:SimpleExp>;
<GeExp> ::= <Operand1:SimpleExp> '>=' <Operand2:SimpleExp>;
<NeExp> ::= <Operand1:SimpleExp> '<>' <Operand2:SimpleExp>;

<PlusExp>      ::= <SimpleExp> '+' <Term>;
<MinusExp>     ::= <SimpleExp> '-' <Term>;
<OrExp>        ::= <SimpleExp> 'or' <Term>;
<XorExp>       ::= <SimpleExp> 'xor' <Term>;

<unaryPlusExp> ::= '+' <Term>;
<unaryMinusExp> ::= '-' <Term>;

<TimesExp>     ::= <Term> '*' <Factor>;
<RealDivExp>   ::= <Term> '/' <Factor>;
<IntDivExp>    ::= <Term> 'div' <Factor>;
<ModExp>       ::= <Term> 'mod' <Factor>;
<AndExp>       ::= <Term> 'and' <Factor>;

<PrimitiveExp> ::= <Term> '%' <NameApl> <Factor> ;

<Factor>       ::= | <TextConst>
                  | <IntegerConst>
                  | <NotExp>
                  | <NoneExp>
                  | <RepetitionSlice>
                  | <Transaction>
                  | <UnaryPrimitiveExp>
                  ;

<RepetitionSlice> ::= <AttributeDenotation>
                    '[' <Low:Evaluation> ':' <High:Evaluation> ']' ;

<notExp>         ::= 'not' <factor>;
<noneExp>        ::= 'none' ;
<UnaryPrimitiveExp> ::= '%' <NameApl> <factor>;

<Names> ::=+ <NameDcl> ',' ;
<NameDcl> ::= <NameDecl>;
<NameApl> ::= <NameApl>;

<SimpleEntry> ::= ? <TextConst>;
<TextConst>   ::= <String>;
<IntegerConst> ::= <Const>;

<SimpleIndex> ::= <Evaluation>;

<CodeItems> ::=+ <CodeItem> ',' ;
<CodeItem>   ::= | <CodeString> | <CodeConst>;
<CodeString> ::= <String>;

```

```

<CodeConst> ::= <Const>;

(* now for the errorproductions *)
<ErrorDecl> ::= Error;
<ErrorImp>  ::= Error

```

Attribute

```

<ObjectSpecification> : 0
<Attributes> : 0

<DescriptorForm> : 18
<AttributesForm> : 18
<ObjectDescriptor> : 8
<MainPart> : 2
<DoPart> : 2
<ForImp> : 2
<repetitionDecl> : 2
<LabelledImp> : 2
<nameDcl> : 2
<nameApl> : 4
<bindingDecl> : 2
<FinalDecl> : 2
<InsertedItem> : 2
<ObjectDenotation> : 2
<ComputedObjectEvaluation> : 2
<RepetitionSlice>:2
<ObjectReference> : 2
<EvalList> : 2
<Address> : 2
<Primitive> : 2
<DynamicItemGeneration> : 2
<DynamicComponentGeneration> : 2

<EqExp> : 2
<LtExp> : 2
<LeExp> : 2
<GtExp> : 2
<GeExp> : 2
<NeExp> : 2
<PlusExp> : 2
<MinusExp> : 2
<OrExp> : 2
<XorExp> : 2
<MulExp> : 2
<TimesExp> : 2
<RealDivExp> : 2
<IntDivExp> : 2
<ModExp> : 2
<AndExp> : 2

<EnterPart> : 2
<ExitPart> : 2

<DescriptorForm>:
(# descNo: integer;
  Xorigin: AST;
  sysAtt: integer
#)
<AttributesForm>:
(# Xorigin: AST;

```



```

    descNo: integer;
    dclRoot: NameDcl;
    lib: AST;
    kind: integer
#)
<ObjectDescriptor>:
(# descNo: integer;
  origin: AST;
  size: integer;
  attSize: integer;
  mark: int16u;
  kind: int8u;
  type: int8u;
  dclRoot: NameDcl;
  lib: AST;
  returnOff: integer;
  originOff: integer
#)
<MainPart>:
(# descNo: integer;
  xorigin: AST
#)
<RepetitionDecl>:
(# origin: AST
#)
<EnterPart>:
(# NXOff: integer;
  NXSize: integer
#)
<DoPart>:
(# xorigin: AST;
  descNo: integer
#)
<ExitPart>:
(# NXOff: integer;
  NXSize: integer
#)
<LabelledImp>:
(# origin: AST
#)
<ForImp>:
(# off: integer;
  origin: AST
#)
<InsertedItem>:
(# insOff: integer
#)
<ObjectDenotation>:
(# evalkind: integer
#)
<Expression>:
(# eval1: integer;
  eval2: integer
#)
<RepetitionSlice>:
(# evalKind: integer
#)
<nameDcl>:
(# left: NameDcl;
  right: NameDcl;
  access: integer;
  off: integer;
  virtDcl: AST;
  restartAdr: integer;
  leaveAdr: integer
#)

```

```

<nameApl>:
(# on: integer;
  pn: integer;
  dclRef: NameDcl;
  onForThis: integer;
  descRef: AST;
  origin: AST
#)
    
```

Index

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A

[<ActionPart](#) [<AddExp](#) [<Address](#) [<Alt](#) [<Alternative](#) [<AndExp](#) [<Assignment](#) [<AttributeDecl](#) [<AttributeDecl](#) [<Denotation](#) [<A](#)

B

[<BetaForm](#) [<BindingDecl](#)

C

[<CaseSelection](#) [<CodeConst](#) [<CodeItem](#) [<CodeItems](#) [<CodeString](#) [<ComputedObjectEvaluation](#) [<Computed](#)

D

[<DescriptorForm](#) [<DoPart](#) [<DoPart](#) [<DynamicComponent](#) [<DynamicCode](#) [<DynamicGeneration](#) [<DynamicObject](#)

E

[<ElsePart](#) [<ElsePartOpt](#) [<EnterPart](#) [<EnterPartOpt](#) [<Exp](#) [<ExitPart](#) [<ExitPartOpt](#) [<Expression](#)

F

[<Factor](#) [<FinalDecl](#) [<ForImp](#)

G

[<GeExp](#) [<GenerallImp](#) [<GtExp](#)

I

[<Imp](#) [<Imperatives](#) [<ImpOpt](#) [<Index](#) [<Indexed](#) [<InnerImp](#) [<InsertedItem](#) [<IntDivExp](#) [<IntegerConst](#)

L

<LabelledImp<LeaveImp <LeExp<LtExp

M

<MainPart<MinusExp <ModExp<MulExp

N

<NameApl<NameAplOpt<NameDecl<NamedIndex<Names<NeExp <noneExp<notExp

O

<ObjectDenotation<ObjectDescription<ObjectEvaluation<ObjectReference<ObjectSpecification<OrExp

P

<PatternDecl<PlusExp <Prefix<PrefixOpt <Primitive<PrimitiveExp

R

<RealDivExp<Reference<referenceExpression<RelationalExp<Remote<RemotePrimitive<RepetitionDecl<RepetitionSlice<Restart

S

<Selection<Selections<SignedTerm<SimpleDecl<SimpleExp<SimpleIndex<SimpleIndex<StaticSimpleIndex<StaticItem<Structure

T

<Term<TextConst <ThisObject<TimesExp <Transaction

U

<unaryMinusExp <unaryPlusExp <UnaryPrimitiveExp

V

<VariablePattern <VirtualDecl

X

<XorExp

Metagrammar Grammar

```
--- metagrammar : Agrammar : metagrammar ---  
Grammar metagrammar :
```

Option

```
version      = 5  
suffix=     '.gram'
```

```
BobsOption = '32,34'  
comBegin   = '(*'  
comEnd     = '*)'  
stringChar = '\\'
```

Rule

```
<AGrammar> ::= 'Grammar' <GrammarName> ':' <OptionOp>  
            'Rule' <ProductionList> <AttributeOp>;  
<GrammarName> ::= <NameDecl>;  
<ProductionList> ::=+ <Prod> ';' ;  
  
<Prod> ::= |<Alternation> | <Constructor> | <Lst>  
         | <Opt> | <Dummy> | <ErrorProd>;  
  
<LeftSide> ::= '<' <SynDeclName> '>';  
  
<Alternation> ::= <LeftSide> '::|' <SynCatList>;  
<SynCatList> ::=+ <SynCat> '|';  
  
<Constructor> ::= <LeftSide> '::=' <ConsElemList>;  
<ConsElemList> ::=+ <ConsElem>;  
<ConsElem> ::= | <TaggedSyn> | <SynCat> | <Term> | <ErrorSpec>;  
<TaggedSyn> ::= '<' <TagName> ':' <SynName> '>';  
<SynCat> ::= '<' <SynName> '>';  
<ErrorSpec> ::= 'error';  
  
<Lst> ::= | <ListOne> | <ListZero>;  
<ListOne> ::= <LeftSide> '::+' <SynCat> <TermOp>;  
<ListZero> ::= <LeftSide> '::*' <SynCat> <TermOp>;  
<TermOp> ::= ? <Term>;  
  
<Opt> ::= <LeftSide> '::?' <SynCat>;  
  
<Dummy> ::= <LeftSide> '::' <SynCat>;  
  
<SynName> ::= <NameAppl>;  
<TagName> ::= <NameDecl>;  
<SynDeclName> ::= <NameDecl>;  
<Term> ::= <String>;  
  
<OptionOp> ::= ? <OptionPart>;  
<OptionPart> ::= 'option' <optionList>;  
<optionList> ::=+ <optionElement>;  
<optionElement> ::= <optionName> '=' <optionSpecification>;  
<optionSpecification> ::= | <singleOption> | <optionSpecList>;  
<optionSpecList> ::= '(' <optionSpecList> ')';  
<optionSpecList> ::=+ <singleOption>;  
  
<singleOption> ::= | <optionName> | <optionConst>  
                | <optionString> | <optionError>;
```

```

<optionName> ::= <NameAppl>;
<optionConst> ::= <Const>;
<optionString> ::= <String>;

<AttributeOp> ::? <AttributePart>;
<AttributePart> ::= 'attribute' <attriblist>;
<AttribList> ::= * <Attrib>;

<Attrib>      :: | <SimpleAttrib>
                | <ComplexAttrib> ;

<SimpleAttrib> ::= <SynCat> ':' <NoOfAttributes>;
<ComplexAttrib> ::= <SynCat> ':' '(' '#' <DeclList> '#' ')';
<DeclList>      ::= + <Decl> ';' ;
<Decl> ::= <DeclName> ':' <ApplName> ;
<DeclName> ::= <NameDecl> ;
<ApplName> ::= <NameAppl> ;
<NoOfAttributes> ::= <const>;
<errorProd> ::= Error;
<optionError> ::= Error

```

Attribute

```

<LeftSide> : 2
<SynName> : 1

<Decl> : 0
<Prod> : 0
<ConsElem> : 0
<AGrammar> : 0
<TaggedSyn> : 0
<SynCat> : 0
<Term> : 0

```

Index

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A C D E G L N O P S T

A

[<AGrammar](#) [<Alternation](#) [<AppName](#) [<Attrib](#) [<AttribList](#) [<AttributeOp](#) [<AttributePart](#)

C

[<ComplexAttrib](#) [<ConsElem](#) [<ConsElemList](#) [<Constructor](#)

D

<Decl<DeclList <DeclName<Dummy

E

<errorProd <ErrorSpec

G

<GrammarName

L

<LeftSide<ListOne <ListZero<Lst

N

<NoOfAttributes

O

<Opt<optionConst<optionElement<optionList<optionName<OptionGroup<OptionPair<optionSpecList<opt

P

<Prod <ProductionList

S

<SimpleAttrib<singleOption <SynCat<SynCatList <SynDeclName<SynName

T

<TaggedSyn<TagName <Term<TermOp

Prettyprint Grammar

```
-- prettyprint : Agrammar : metagrammar --  
Grammar prettyprint:
```

option

```
suffix='.pgram'  
bobsoptions = '25, 32, 34'  
combegins  = '(*'  
comEnd     = '*)'  
stringChar = '\\'
```

rule

```
<PrettyPrint> ::= 'PrettyPrintScheme' <SchemeName:nameDecl>  
                'for' <GrammarName:nameDecl> ':' <ProductionList>;  
<ProductionList> ::= * <Production> ';' ;  
  
<Production> ::= | <Constructor> | <ListProd> ;  
<Constructor> ::= <ProductionName:nameAppl> '=' <Stream:ItemList>;  
<ListProd> ::= <ProductionName:nameAppl> '=' '(' <ListSpec> ')';  
  
<ItemList> ::= * <Item>;  
<Item> ::= | <Terminal> | <NonTerm> | <Break> | <Block>  
          | <CommentPlace>;  
  
<Terminal> ::= | <DefaultTerm> | <AltTerm> ;  
<DefaultTerm> ::= 'T' ':' <TerminalNo:const>;  
<AltTerm> ::= <AlternativeTerminal:String> ;  
  
<NonTerm> ::= 'N' ':' <NonTerminalNo:const>;  
  
<Break> ::= | <DefaultBreak> | <AltBreak> ;  
<DefaultBreak> ::= '$$';  
<AltBreak> ::= '$' <Space:const> ',' <Indention:const>;  
  
<Block> ::= '[' <BlockType> <ItemList> ']';  
  
(* comments must only be specified after terminals! *)  
<CommentPlace> ::= '*';  
  
<ListSpec> ::= <Beginning:ItemList>  
              '{' <BlockType> <Separator:ItemList> '  
              <Ending:ItemList> ;  
  
<BlockType> ::= | <Consistent> | <InConsistent> ;  
<Consistent> ::= 'c';  
<InConsistent> ::= 'i'
```

Attribute

```
<Constructor> : 1  
<ListProd> : 1  
<DefaultTerm> : 2  
<AltTerm> : 2  
<NonTerm> : 2
```


Property Grammar

```
-- property : aGrammar : metagrammar ---
```

```
Grammar property :
```

Option

```
version = 4
comBegin = '('
comEnd = ')'
splitOnFiles = 1
stringChar = '\\'
suffix = '.prop'
```

Rule

```
<Properties> ::= <PropertyList> ;

<PropertyList> ::=+ <PropertyOpt> ';' ;

<PropertyOpt> ::=? <Property> ;

<Property> ::= | <ORIGIN>
                | <INCLUDE>
                | <BODY>
                | <MDBODY>
                | <OBJFILE>
                | <LIBFILE>
                | <LINKOPT>
                | <BETARUN>
                | <BUILD>
                | <MAKE>
                | <RESOURCE>
                | <LIBDEF>
                | <LIBITEM>
                | <ON>
                | <OFF>
                | <Other>;

<ORIGIN> ::= 'ORIGIN' <TextConst> ;

<INCLUDE> ::= 'INCLUDE' <StringList> ;

<BODY> ::= 'BODY' <StringList> ;

<MDBODY> ::= 'MDBODY' <MachineSpecificationList> ;

<OBJFILE> ::= 'OBJFILE' <MachineSpecificationList> ;

<LIBFILE> ::= 'LIBFILE' <MachineSpecificationList> ;

<LINKOPT> ::= 'LINKOPT' <MachineSpecificationList> ;

<BETARUN> ::= 'BETARUN' <MachineSpecificationList> ;

<MAKE> ::= 'MAKE' <MachineSpecificationList> ;

<BUILD> ::= 'BUILD' <MachineSpecificationList> ;
```

```

<RESOURCE> ::= 'RESOURCE' <MachineSpecificationList> ;

(*<LIBDEF> ::= 'LIB_DEF' <Name:TextConst> <Location:TextConst>;
  this gives qua error in sif (setsyncatno) *)

<LIBDEF> ::= 'LIB_DEF' <StringList>;

<LIBITEM> ::= 'LIB_ITEM' <Name:TextConst>;

<ON> ::= 'ON' <IntegerList>;

<OFF> ::= 'OFF' <IntegerList>;

<StringList>::* <TextConst> ;

<IntegerList>::+ <IntegerConst> ;

<MachineSpecificationList>::+ <MachineSpecification>;

<MachineSpecification> ::= <Machine> <StringList>;

<Machine> ::| <NameApl> | <Default> ;

<Default> ::= 'default' ;

<Other> ::= <NameDcl> <PropertyValueList> ;

<PropertyValueList> ::* <PropertyValue> ;

<PropertyValue> ::= <Value> ;

<Value> ::| <NameDcl> | <IntegerConst> | <TextConst> ;

<NameDcl> ::= <NameDecl>;

<NameApl> ::= <NameAppl>;

<TextConst> ::= <String>;

<IntegerConst> ::= <Const>

```

Index

The entries in the alphabetic index consists of all left-sides in the grammar. The small table of letters below links directly to the section of identifiers starting with the corresponding letters.

BDILMNOPRSTV

B

[<BETARUN](#)

[<BODY](#)

[<BUILD](#)

D

[<Default](#)

I

<INCLUDE <IntegerConst <IntegerList

L

<LIBDEF<LIBFILE <LIBITEM<LINKOPT

M

<Machine<MachineSpecification <MachineSpecificationList<MAKE<MDBODY

N

<NameApl <NameDcl

O

<OBJFILE<OFF <ON<ORIGIN <Other

P

<Properties<Property <PropertyList<PropertyOpt <PropertyValue<PropertyValueList

R

<RESOURCE

S

<StringList

T

<TextConst

V

<Value