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## Le méta-modèle LfP

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### 1 Liste des modifications

Date	Objet de la modification
13/05/2004	Corrections d'après les observations de F. Gilliers.
11/06/2004	Mise à jour des images, du source XMI et de la description du méta-modèle

### 2 Introduction

Le méta-modèle a été établi à partir des documents concernant la sémantique [3] et la syntaxe [2] LfP.



### 3 Concepts de MOF

Les concepts de MOF utilisent l'approche orientée objet. Les concepts d'un formalisme sont représentés sous forme de classes et les modèles sont des objets instances de ces classes. L'ensemble des classes décrivant un formalisme est appelé méta-modèle. L'ensemble de ces objets instances est appelé modèle instance de ce méta-modèle.

Nous présentons brièvement les principaux concepts de MOF [1] : *classe*, *association* et *package*.

Chaque concept du formalisme correspond à une *classe*. Une *classe* peut avoir des attributs, des opérations et des références. Chaque attribut est typé : soit il est de type primitif (nombre entier, nombre flottant, chaîne de caractères, booléen, énumération), soit son type est défini par une *classe*.

Le concept d'*association* permet d'exprimer la relation entre les *classes*. Grâce à l'*association*, on peut, par exemple, exprimer les paires d'objets (appelés liens) correspondant à l'*association* « marcher sur » qui relie la *classe* « Piéton » et la *classe* « Trottoir ».

Les concepts complémentaires de l'*association* sont la *référence* et l'*agrégation* qui permettent de naviguer d'un objet vers les autres via les liens des *associations*.

Le dernier concept ici présenté est le *package* qui permet de grouper les *classes* et les *associations*.

### 4 Structure générale du méta-modèle

La figure 1 présente l'infrastructure de **LfP**. Elle spécifie la structure statique des modèles. Le méta-modèle se décompose en trois packages : Behavioral Diagram (diagramme de comportement), Architecture Diagram (diagramme d'architecture) et Types (types des données). Les packages Behavioral Diagram et Architectural Diagram définissent les concepts de base du langage. Le package Types définit la structure de base des données du langage, les deux premiers packages sont donc associés à ce troisième. Le package DataTypes contient la définition des types utilisés dans le méta-modèle (cf. annexes).

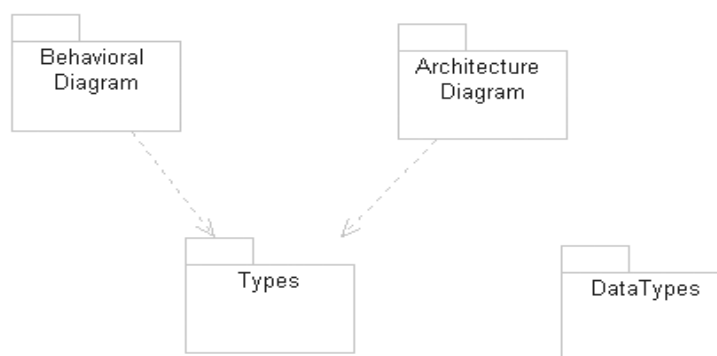


FIG. 1 – Décomposition générale du méta-modèle **LfP**

### 5 Le diagramme de comportement

Un diagramme de comportement est composé (figure 2) d'états (BDStates), d'arcs (BDArcs), de transitions (BDTransitions) et de déclarations (BDMainDeclarations pour le diagramme principal).

Un diagramme de comportement a au moins une transition.

Les classes BDStates et BDTransitions sont liées par la classe BDArcs puisqu'un diagramme de compor-



tement est un graphe biparti : les noeuds alternent entre états et transitions et on passe de l'un à l'autre par des arcs unidirectionnels.

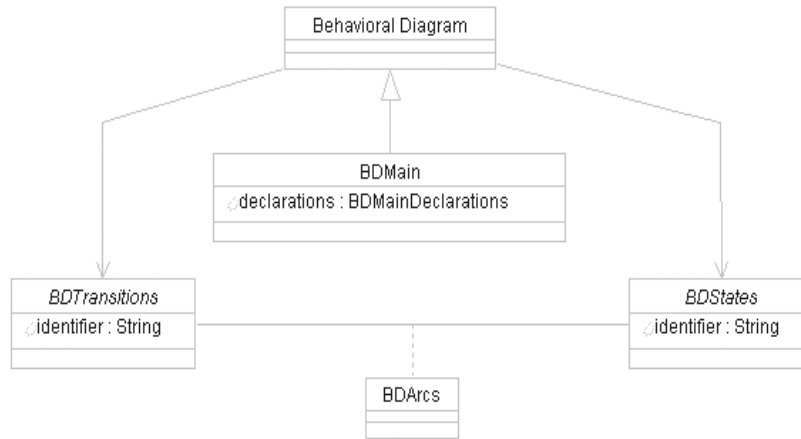


FIG. 2 – Principaux concepts du diagramme de comportement **LfP**

**BehavioralDiagram** : abstraite

décrit un diagramme de comportement. Cette classe se spécialise en diagramme de comportement principal pour les classes (*BDMainClass*) et pour les média (*BDMainMedia*), et sous-diagramme (*BDHierarchicalDiagram*).

Propriétés

- [0..n] states : *BDStates* états d'un diagramme de comportement
- [1..n] transitions : *BDTransitions* transitions d'un diagramme de comportement

**BDMainClass** : décrit le diagramme de comportement principal d'une classe.

Propriétés

- declarations : *BDMainClassDeclarations* déclarations permises dans un diagramme principal de classe

**BDMainMedia** : décrit le diagramme de comportement principal d'un média.

Propriétés

- declarations : *BDMainMediaDeclarations* déclarations permises dans un diagramme principal de média

(Pour les sous-diagrammes se reporter à la section 3.5)

## 5.1 Les états

**BDStates** : abstraite

La déclaration d'états dans un diagramme de comportement n'a de sens que si le comportement modélisé est séquentiel.

Chaque état a au moins un arc d'entrée ou de sortie.

Les états se spécialisent en (figure 3) : états initiaux (*BDInitialState*), états finaux (*BDFinalState*) et états "intermédiaires" (*BDState*).

Propriétés

- stateName : String nom de l'état

**BDInitialState** : Décrit l'état dans lequel le diagramme se trouve lors de son activation.

Cet état est unique dans le diagramme.

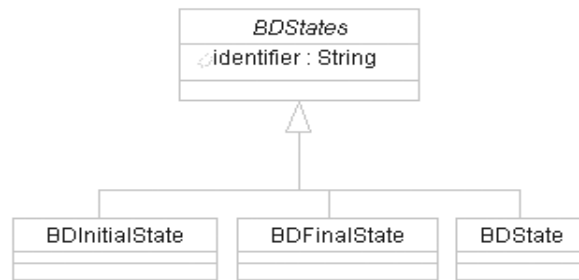


FIG. 3 – Les états : BDStates

**BDFinalState** : Décrit l'état de fin d'exécution du diagramme.

**BDState** : Décrit l'état du diagramme après exécution de la transition qui le précède. Il est suivi d'au moins une transition.

## 5.2 Les arcs

**BDArcs** : permettent de relier états et transitions.

### Propriétés

- priority : Int *priorité de l'arc (entier)*

## 5.3 Les déclarations

**BDMainClassDeclarations** : Cette classe représente les déclarations du diagramme principal d'une classe uniquement. Elles sont composées de (figure 4) : déclarations de types (*BDTypeDeclaration*), variables (*VarDeclaration*), constantes (*ConstDeclaration*), triggers (*BDTriggerDeclaration*), procédures (*BDProcedureDeclaration*) et fonctions (*BDFunctionDeclaration*).

**BDMainMediaDeclarations** : Cette classe représente les déclarations du diagramme principal d'un média uniquement. Elles sont composées de (figure 4) : déclarations de types (*BDTypeDeclaration*), variables (*VarDeclaration*), constantes (*ConstDeclaration*) et triggers (*BDTriggerDeclaration*).

**TypeVarConstDeclarations** : Cette classe représente les déclarations des sous-diagrammes. Elles sont composées de (figure 4) : déclarations de types (*BDTypeDeclaration*), variables (*VarDeclaration*) et constantes (*ConstDeclaration*).

**BDTypeDeclaration** : Propriétés

- type : Types *Types représente les types de données permis dans un modèle LfP*

**VarDeclaration** : Propriétés

- varName : Identifieur *nom de la variable*
- type : TypeDescriptor *type de la variable*
- initialValue : Expression *valeur initiale*

**ConstDeclaration** : Propriétés

- constName : Identifieur *nom de la constante*
- type : TypeDescriptor *type de la constante*
- initialValue : Expression *valeur initiale*

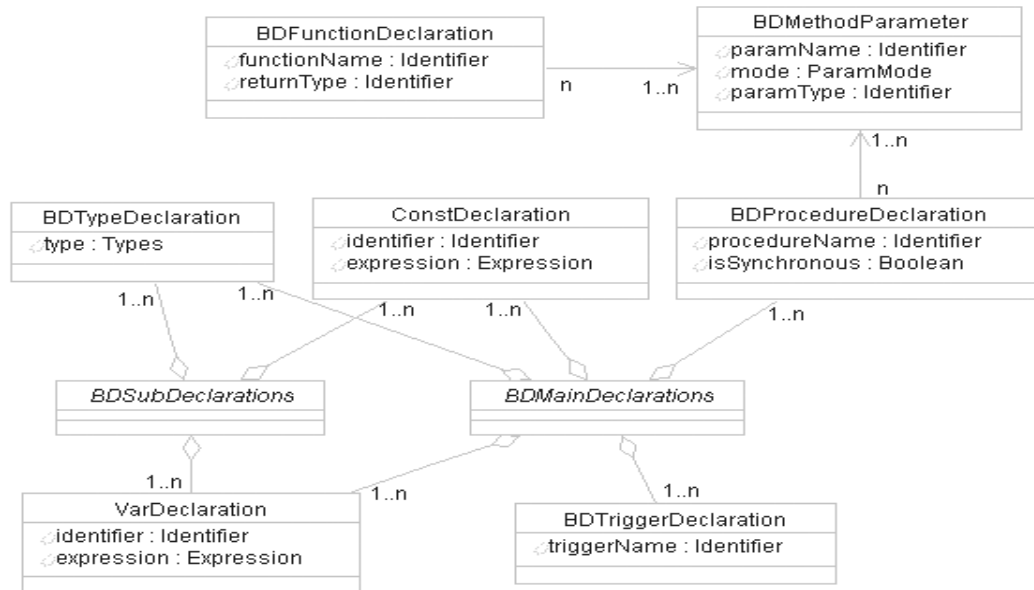


FIG. 4 – Les déclarations du diagramme principal : BDMainDeclarations et du sous-diagramme : BDSUBDeclarations

#### **BDTriggerDeclaration : Propriétés**

- triggerName : Identifier *nom du trigger*

#### **BDProcedureDeclarations : Propriétés**

- procedureName : Identifier *nom de la procédure*
- isSynchronous : Boolean *vrai si la procédure est synchrone, faux sinon*
- [0..n] parameters : BDMethodParameter *liste des paramètres*

#### **BDFunctionDeclarations : Propriétés**

- functionName : Identifier *nom de la fonction*
- returnType : TypeDescriptor *type de la valeur de retour*
- [0..n] parameters : BDMethodParameter *liste des paramètres*

#### **BDMethodParameter : Propriétés**

- paramName : Identifier *nom du paramètre*
- mode : ParamMode *type du paramètre : in, out, inout*
- paramType : TypeDescriptor *type du paramètre*

## 5.4 Les transitions

Une transition décrit une suite d'actions permettant de passer d'un état en entrée à un état en sortie. Chaque transition n'a qu'un seul arc en entrée et un seul en sortie.

#### **BDTransitions : abstraite**

*Les transitions se spécialisent en transitions simples (BDSimpleTransition), transitions de communication (BDCommunicationTransition) et transitions hiérarchiques (BDHierarchicalTransition).*

#### **Propriétés**

- transitionName : String *nom de la transition*
- [1] guard : BDgard *garde de la transition*



**BDGuard** : toutes les transitions peuvent avoir une garde.

Propriétés

- guardExpression : Expression *expression de la garde*

**BDCommunicationTransition** : abstraite

Représente les transitions de communications (figure 5). Elles se spécialise en transition de réception (BDReception), d'envoi (BDSend) et de réception et d'envoi (BDReceptionAndSend).

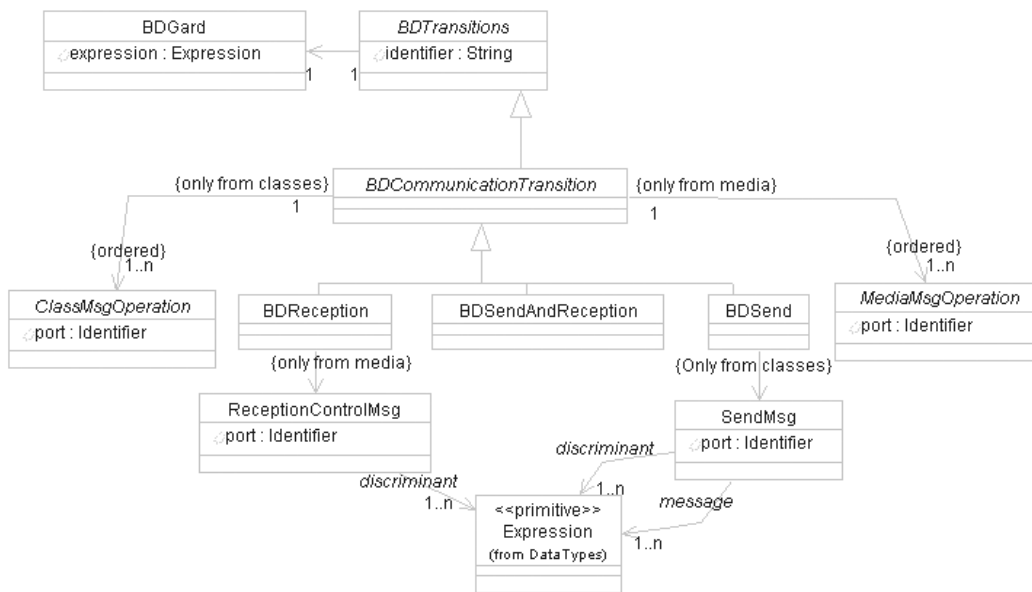


FIG. 5 – Spécialisation des transitions (BDTransitions) : transition de communication (BDCommunicationTransition)

**BDReception** : est une transition de communication.

Propriétés

- [1..n] receptionMsgOp : ReceptionMsgOp *opération de réception d'un message*

**BDSend** : est une transition de communication.

Propriétés

- [1..n] sendMsgOp : SendMsgOp *opération d'envoi d'un message*

**BDSendAndReception** : est une transition de communication.

Propriétés

- [1..n] srMsgOp : SRMsgOp *opération d'envoi et de réception d'un message*

**SRMsgOp** : abstraite

est une opération de communication qu'on ne peut réaliser qu'à partir d'une transition d'envoi et réception.

**SendMsgOp** : abstraite

est une opération de communication qu'on ne peut réaliser qu'à partir d'une transition d'envoi.

**ReceptionMsgOp** : abstraite

est une opération de communication qu'on ne peut réaliser qu'à partir d'une transition de réception.



**ClassMsgOperation:** abstraite

est une opération de communication qui peut être réalisée à partir des classes uniquement. Cette classe se spécialise en (figure 6) : opération d’envoi d’un message (SendMsg), appel d’une procédure (ProcedureCall), envoi d’une valeur de retour d’une fonction (ReturnStatement), envoi de message de contrôle (ControlMsg) et lecture d’un message (ReadMsg).

Propriétés

- port : Identifier nom du port sur lequel on effectue l’opération

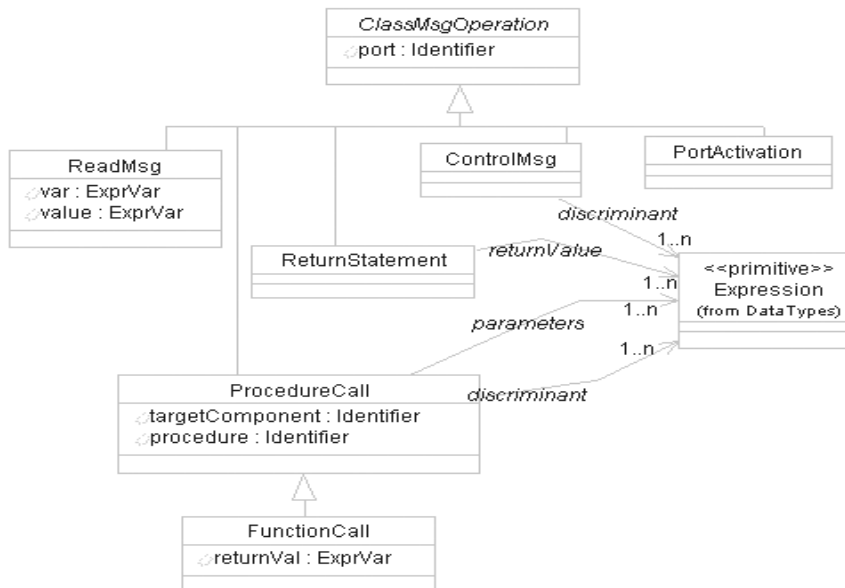


FIG. 6 – Opérations de communication depuis les classes : *BDC*ClassMsgOperation

**SendMsg:** est une opération de communication qui permet l’envoi d’un message. Cette opération n’est réalisable qu’à partir d’une classe et d’une transition d’envoi.

Propriétés

- [0..n] discriminant : Expression liste des paramètres de routage
- [1..n] message : Expression liste des expressions qui désigne le contenu du message

**ReadMsg:** est une opération de communication qui permet de lire un message. Cette opération n’est réalisable qu’à partir d’une classe et d’une transition de réception.

Propriétés

- [1..n] messages : MsgCont liste des messages

**MsgCont:** Contenu d’un message.

Propriétés

- var : ExprVar nom de la variable dans laquelle sera stocké le message
- value : ExprVar message à stocker

**ReturnStatement:** est une opération de communication qui permet d’envoyer la valeur de retour d’une fonction. Cette opération n’est réalisable qu’à partir d’une classe et d’une transition d’envoi.

Propriétés

- [1..n] returnValue : Expression liste des expressions représentant la valeur de retour

**ControlMsg:** est une opération de communication qui permet d’envoyer un message de contrôle. Cette opération n’est réalisable qu’à partir d’une classe et d’une transition d’envoi.

Propriétés

- [1..n] discriminant : Expression liste des expressions représentant le message



**MethodCall** : est une opération de communication qui permet l'appel d'une procédure. Cette classe abstraite se spécialise en appel de procédure synchrone (*SynchProcCall*), asynchrone (*AsynchProcCall*) et fonction (*FunctionCall*).

Propriétés

- targetComponent : Identifier nom de la classe du composant cible
- procedure : Identifier nom de la procédure appelée
- [1..n] discriminant : Expression liste des paramètres de routage
- [1..n] message : Expression liste des paramètres de la procédure

**SynchProcCall** : est une opération de communication qui permet l'appel d'une procédure synchrone. Cette opération n'est réalisable qu'à partir d'une classe et d'une transition d'envoi et de réception.

**AsynchProcCall** : est une opération de communication qui permet l'appel d'une fonction. Cette opération n'est réalisable qu'à partir d'une classe et d'une transition d'envoi.

**FunctionCall** : est une opération de communication qui permet l'appel d'une fonction. Cette opération n'est réalisable qu'à partir d'une classe et d'une transition d'envoi et réception.

Propriétés

- returnVal : ExprVar variable qui permet de stocker la valeur de retour

**MediaMsgOperation** : est une opération de communication qui peut être réalisée à partir des média uniquement. Cette classe abstraite se spécialise en (figure 7) : opération de réception de messages (*ReceptionMsg*), envoi de messages (*SendMsgMedia*) et réception de messages de contrôle (*ReceptionControlMsg*).

Propriétés

- port : Identifier nom du port sur lequel on effectue l'opération

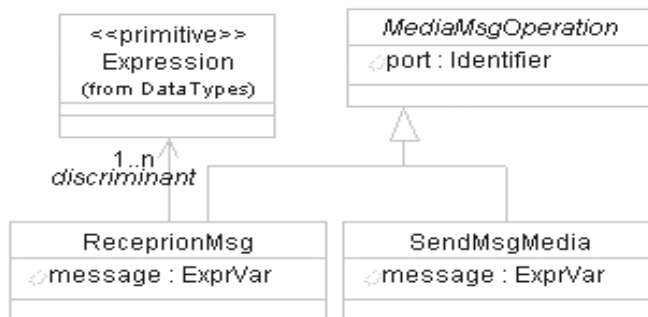


FIG. 7 – Opérations de communication depuis les média : *BDMediaMsgOperation*

**ReceptionControlMsg** : est une opération de communication. Cette opération n'est réalisable qu'à partir d'un média et d'une transition de réception.

Propriétés

- [1..n] discriminant : Expression liste des paramètres de routage

**ReceptionMsg** : est une opération de communication qui permet de recevoir des messages. Cette opération n'est réalisable qu'à partir d'un média et d'une transition de réception.

Propriétés

- message : ExprVar variable qui contiendra le message
- [0..n] discriminant : Expression discriminant du message

**SendMsgMedia** : est une opération de communication qui permet l'envoi des messages à partir des média. Cette opération n'est réalisable qu'à partir d'un média et d'une transition d'envoi.

Propriétés





- message : ExprVar *variable qui contient le message*

**BDSimpleTransition:** *cette transition (figure 8) ne peut pas contenir de sous-diagramme, elle permet de spécifier textuellement un ensemble de traitement locaux. Elle est donc associée à des instructions (classe BDInstruction).*

Propriétés

- ordered [0..n] instructions : BDInstruction *instructions ordonnées liées à la transition*

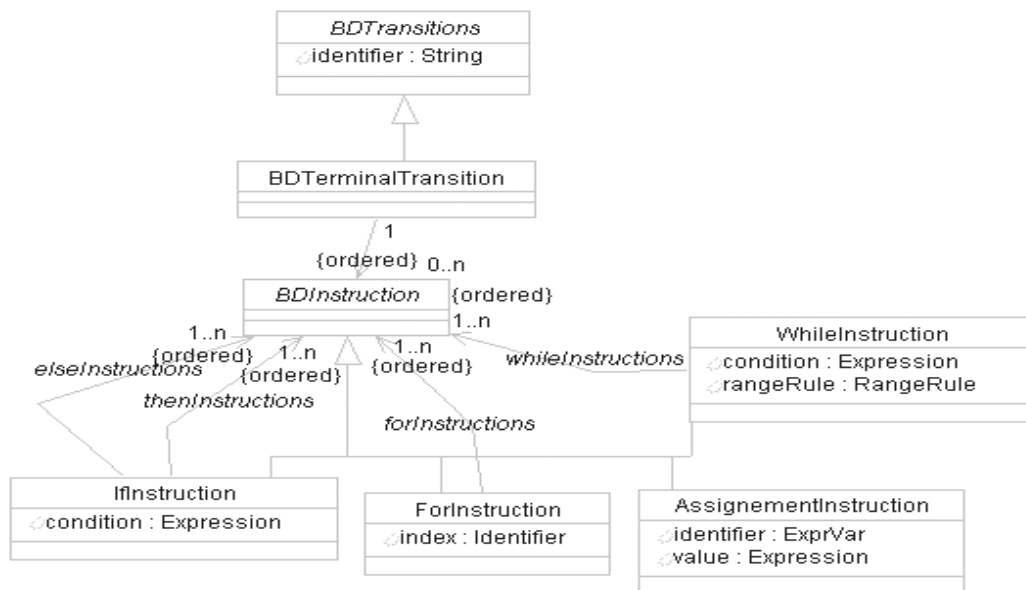


FIG. 8 – Spécialisation des transitions (BDTransitions) : transition terminale (BDTerminalTransition)

**BDInstruction:** abstraite

*Représente des instruction liées aux transitions, elle se spécialise en instructions de choix (IfInstruction), boucles (ForInstruction et WhileInstruction) et affectation de variables (AssignementInstruction).*

**IfInstruction:** Propriétés

- condition : Expression *condition du choix*
- {ordered} [1..n] thenInstructions : BDInstruction *instructions dans le cas où la condition est vraie*
- {ordered} [0..n] elseInstructions : BDInstruction *dans les autres cas*

**ForInstruction:** Propriétés

- index : Identifier *compteur de la boucle*
- rangeRule : RangeRules *intervalle du compteur de la boucle*
- ordered [1..n] forInstructions : BDInstruction *instructions à l'intérieur de la boucle*

**WhileInstruction:** Propriétés

- condition : Expression *condition de la boucle*
- ordered [1..n] whileInstructions : BDInstruction *instructions à l'intérieur de la boucle*

**AssignementInstruction:** Propriétés

- identifieur : ExprVar *expression de la variable*
- value : Expression *future valeur de la variable*



**HierarchicalTransition:** Une transition hiérarchique (figure 9) est associée à un sous-diagramme (*BDHierarchicalDiagram*).

Propriétés

- *referenceHD* : String signature du sous-diagramme qu'elle représente.

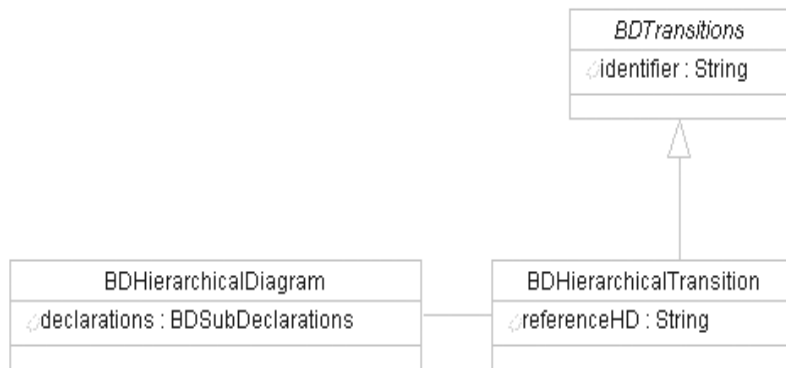


FIG. 9 – Spécialisation des transitions (*BDTransitions*) : transition hiérarchique (*HierarchicalTransition*)

### 5.5 Les sous-diagrammes

**BDHierarchicalDiagram:** spécialise un diagramme de comportement. Elle se spécialise en (figure 10) diagramme de fonction (*BDFunction*), procédure (*BDProcedure*) et trigger (*BDTrigger*). Cette classe est associée à la classe *BDHierarchicalTransition* qui le référence.

Propriétés

- *declarations* : BDSUBDeclarations déclarations du sous-diagramme

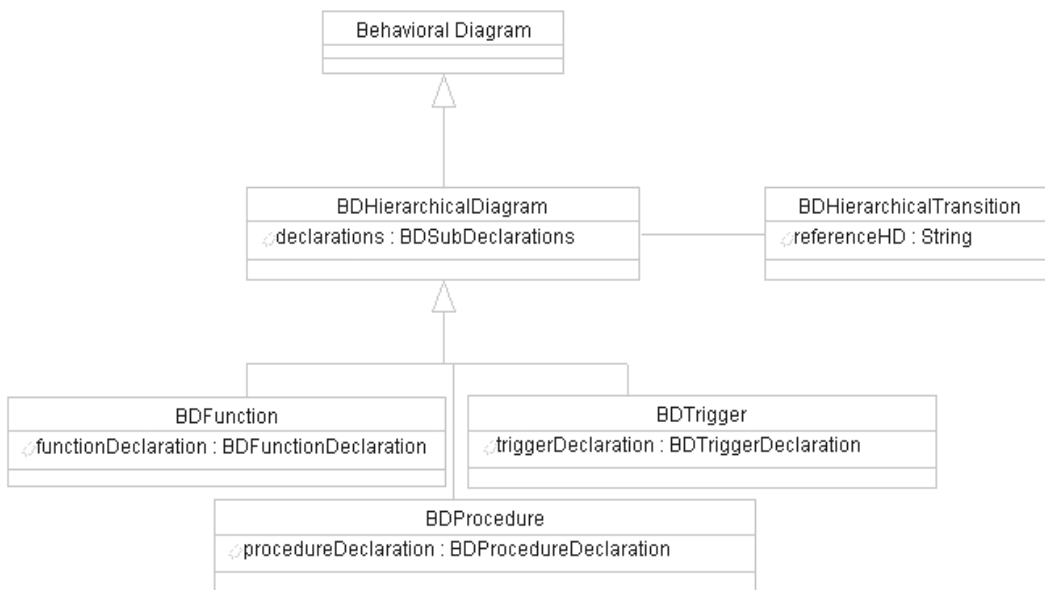


FIG. 10 – Sous-diagramme de comportement : *BDHierarchicalDiagram*



**BDTrigger** : est un sous-digramme.

Propriétés

- triggerDeclaration : BDTriggerDeclaration répétition de la déclaration du trigger

**BDFunction** : est un sous-digramme.

Propriétés

- functionDeclaration : BDFunctionDeclaration répétition de la déclaration de la fonction
- activationPort : Identifier port que la méthode utilisera pour communiquer

**BDProcedure** : est un sous-digramme.

Propriétés

- procedureDeclaration : BDProcedureDeclaration répétition de la déclaration de la procédure
- activationPort : Identifier port que la procédure utilisera pour communiquer

## 6 Le diagramme d'architecture

Le diagramme d'architecture **LfP** (figure 11) est composé d'éléments de modélisation (classes, média, ...), de déclarations et d'instanciations statiques.

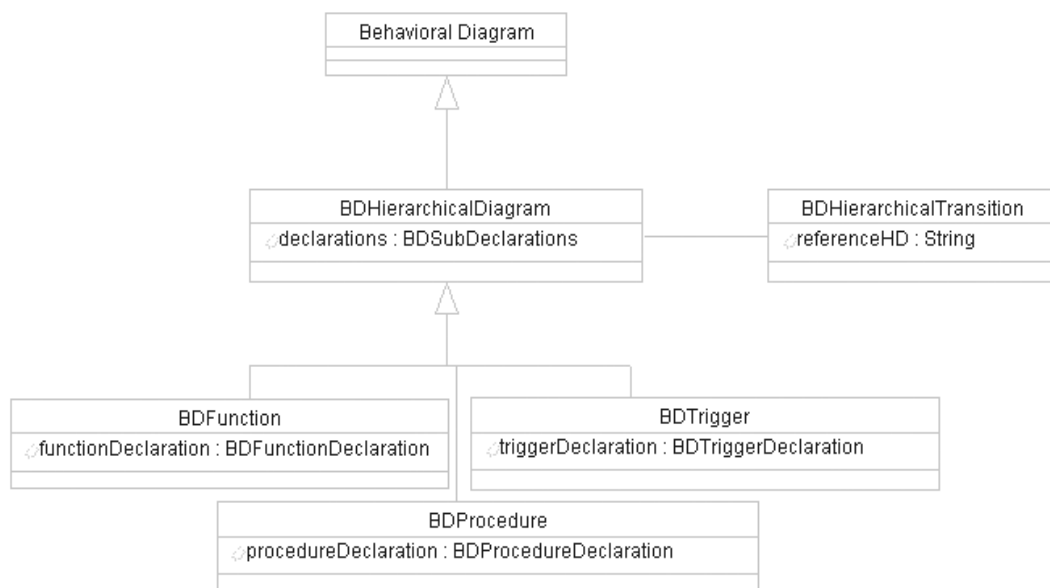


FIG. 11 – Principaux concepts du diagramme d'architecture **LfP**

### 6.1 Les déclarations et les instances

Les **déclarations** sont composées de déclarations de constantes, variables et types (voir diagramme de comportement).

**StaticInstance** : déclaration d'instance statique de composants.

Propriétés

- varName : Identifier nom de la variable à définir
- type : TypeDescriptor type de la nouvelle variable (nom d'un composant : classe ou média)



- [1..n] classVariables : ClassVar liste des variables de la classe à initialiser

**ClassVar** : variables d'une classe.

Propriétés

- varName : Identifier nom de la variable à définir
- value : Expression expression qui permet de calculer la valeur initiale de la variable

## 6.2 Les éléments de modélisation

**ModelElement** : abstraite

Cette classe se spécialise en classes (Class), ports (Port), binders (Binder) et média (Media).

Propriétés

- identifier : String nom du composant modélisé

## 6.3 Les classes

**Class** : Une classe représente un composant de l'application.

Une classe LfP décrit un ensemble d'objets qui partagent les mêmes attributs (données encapsulées), les mêmes méthodes (traitements associés qui précisent le contrat d'utilisation de la classe, les contraintes d'accès aux services et les contrats comportementaux) et les mêmes ports d'accès.

Une classe est associée à un (ou plusieurs) arc(s) (Arc) qui lui permette(nt) de communiquer avec les autres éléments du diagramme.

Propriétés

- [1..n] portClass : Port nom du port associé à la classe (référence vers le binder associé à la classe)

## 6.4 Les média

**Media** : Un média représente un composant de communication entre les classes.

Un média définit une connexion entre deux (ou plus) ports.

Propriétés

- [1..n] portMedia : Port nom du port associé au média (référence vers le binder associé au média)

## 6.5 Les binders

**Binder** : Un binder représente un buffer assurant la transmission de messages entre les classes et les média.

Il décrit les objets de liaison permettant de typer la connexion des ports.

On peut associer plusieurs binders à une classe ou à un média.

Propriétés

- multiplicity : String définit les instances de classes auxquelles le binder est connecté.  
Deux valeurs sont possibles : 1 (le binder n'est accessible qu'à une seule instance de la classe qui lui est associée) et all (le binder est partagé par toutes les instances de la classe à laquelle il est associé)
- ordering : String politique d'ordonnancement. Deux valeurs sont possibles : fifo et bag
- capacity : Int définit le nombre maximum de messages que peut contenir le binder
- isSynchronous : Boolean vrai si le binder est synchrone, faux sinon
- [2..n] portBinder : Port liste des ports associés au binder



## 6.6 Les ports

**Port** : Un port définit un point de connexion physique pour les classes et les média. Toute interaction extérieure avec une classe ou un média ne peut se faire que par l'intermédiaire d'un port.

## 6.7 Les arcs

**ADArc** : Expriment la possibilité d'existence d'une communication entre deux entités du diagramme.

Propriétés

- isBidirectionnel : Boolean *vrai si l'arc est bidirectionnel, faux sinon.*

## 7 Les types des données

Ce package spécifie les différents types de données qui sont utilisés dans les diagrammes **LfP**.

**LfPType** : abstraite

*définit les différents types de données qui peuvent être définis dans les diagrammes LfP.*

Propriétés

- typeName : Identifier *nom du type définis*

**Sets** : abstraite

*définit les différents ensembles. TypesSets est une classe abstraite, elle se spécialise (figure 12) en multi-ensembles (Bag) et ensembles (Set).*

Propriétés

- elemType : TypeDescriptor *nom du type des éléments des ensembles*

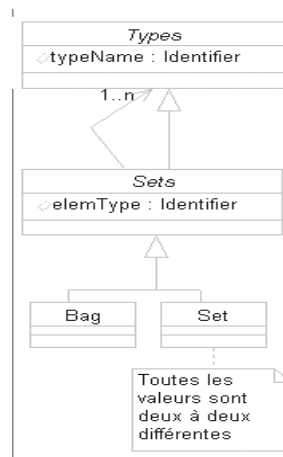


FIG. 12 – Spécialisation de la classe Types : Sets

**Bag** : *définit un multi-ensemble (suite de valeurs du même type).*

**Set** : *définit un ensemble (suite de valeurs du même type deux à deux différentes).*

**Discrete** : abstraite

*définit les types discrets. Discrete se spécialise en un type énuméré (Enumerate) et un type entier (Integer).*

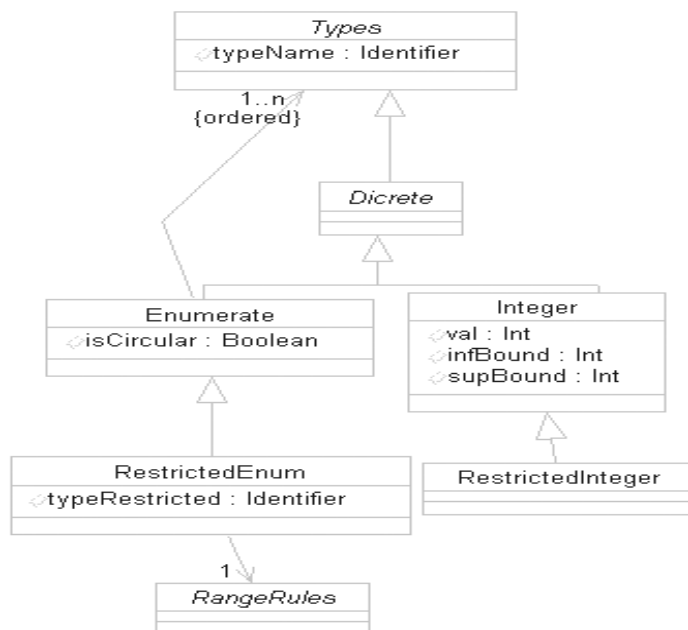


FIG. 13 – Spécialisation de la classe Types : Discrete

**Enumerate** : définit un ensemble ordonné (suite ordonnée de valeurs du même type). Enumerate se spécialise en RestrictedEnum.

Propriétés

- ordered [1..n] values : Identifier liste des littéraux qui définissent le type énuméré
- isCircular : Boolean vrai si le type est circulaire, faux sinon

**Integer** : définit un type entier.

Propriétés

- infBound : Int limite supérieure
- supBound : Int limite inférieure

**RestrictedEnum** : définit un ensemble ordonné (suite ordonnée de valeurs du même type) restreint à un intervalle.

Propriétés

- typeRestricted : TypeDescriptor nom du type restreint
- rangeRule : RangeRules intervalle de restriction

**RestrictedInteger** : définit un intervalle d'entiers.

Propriétés

- isCircular : Boolean vrai si le type est circulaire, faux sinon
- rangeRule : RangeRules intervalle de restriction

**Record** : définit un type composé de champs de types différents.

Propriétés

- [1..n] fields : Field liste des champs de la structure

**Field** : définit un champs d'une structure.

Propriétés

- fieldName : Identifier nom du champs
- fieldType : TypeDescriptor type du champs

**Array** : définit un tableau de taille définie d'éléments de même type.

Propriétés

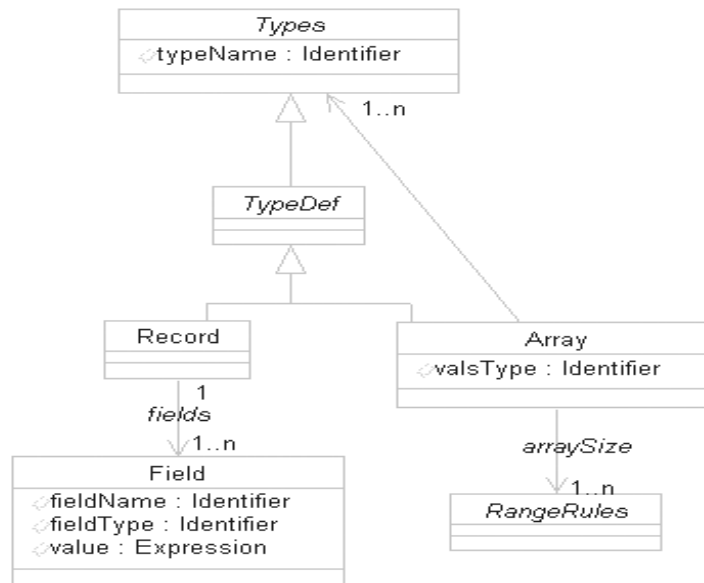


FIG. 14 – Spécialisation de la classe Types : TypeDef

- valsType : TypeDescriptor *type des valeurs du tableau*
- arraySize : RangeRules *intervalles qui définissent les dimensions du tableau*

**PortType** : *définit la référence vers un port.*

Propriétés

- [0..n] discriminant : TypeDescriptor *liste de noms de types qui définissent la liste des types du discriminant*

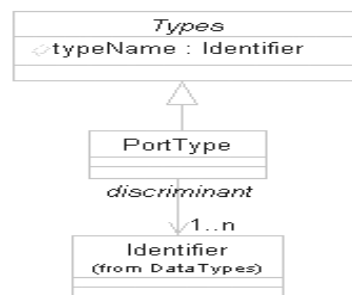


FIG. 15 – Spécialisation de la classe Types : PortType

**Semaphore** : *définit le type pour la synchronisation.*

Propriétés

- nbInitComp : Int *valeur initiale du compteur du sémaphore*

**Message** : *définit les messages de l'application. Il n'est exploitable que dans les média.*

Propriétés

- var : ExpVar *variable qui sert à stocker le contenu des messages à transmettre.*

**RangeRules** : *définit un intervalle soit en donnant la borne inférieure et la borne supérieure (RangeRule) soit en donnant le nom d'un type énuméré : l'intervalle est donc celui de ce type (RangeRule2).*

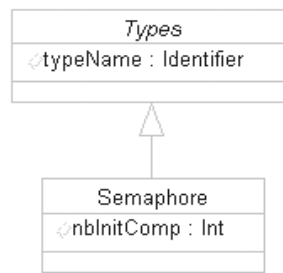


FIG. 16 – Spécialisation de la classe Semaphore

*RangeRules* est une classe abstraite.

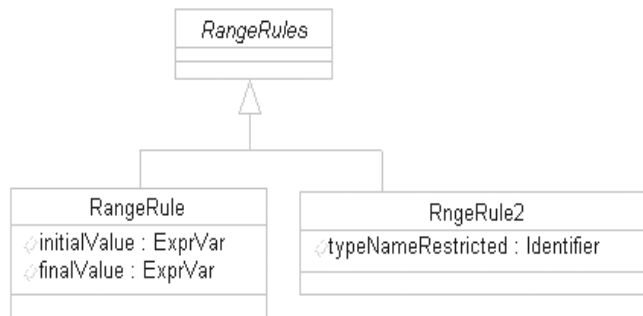


FIG. 17 – Spécialisation de la classe RangeRule

**RangeRule** : définit un intervalle.

Propriétés

- initialValue : ExprVar *limite inférieure*
- finalValue : ExprVar *limite supérieure*

**RangeRule2** : définit un intervalle en prenant celui d'un autre type.

Propriétés

- discreteTypeName : TypeDescriptor *type discret définissant l'intervalle valide*

**TypeDescriptor** : définit le nom du type auquel une variable est associé.

Propriétés

- descriptor : Identifier *nom du type auquel il est associé*

## 8 Conclusion

Ce méta-modèle, en plus d'être validé par les personnes qui s'occupent actuellement de **LfP**, a été validé par l'outil de vérification MOF/XMI (pour le fichier XMI, voir annexe) de l'atelier Rose de Rational.

## Références

- [1] OMG, "Meta Object Facility Specification", <http://www.omg.org/technology/documents/formal/mof.htm>
- [2] F. Gilliers, "BNF de la grammaire des attributs de diagrammes **LfP**", Rapport du projet RNTL MORSE (version 2.1, décembre 2003)





- [3] F. Gilliers, "Description de la sémantique du langage  $L/P$ ", Rapport du projet RNTL MORSE (version 2.1, décembre 2003)

*Draft*



## 9 Annexe 1

Le méta-modèle **LfP** est un modèle MOF, nous pouvons donc le représenter graphiquement (comme nous l'avons fait dans ce document), mais aussi dans un format textuel standard. Ici, nous présentons le méta-modèle **LfP** en format XMI. Celui-ci a été directement généré à partir de la représentation graphique, par l'atelier Rational Rose.

Cette représentation du méta-modèle est utile pour créer des modèles **LfP** grâce à des API (générées à partir de cette représentation) et pour effectuer des transformations de modèles.

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<!-- <!DOCTYPE XMI SYSTEM 'Model.DTD' > -->
<XMI xmi.version = '1.0' timestamp = 'Thu Jun 10 10:18:06 2004' >
<XMI.header>
  <XMI.documentation>
    <XMI.exporter>Unisys.JCR.1</XMI.exporter>
    <XMI.exporterVersion>1.3.4</XMI.exporterVersion>
  </XMI.documentation>
  <XMI.metamodel xmi.name = 'org.omg.mof.Model' xmi.version = '1.3' />
</XMI.header>
<XMI.content>
<!-- ===== MetaModelLfP [Package] ===== -->
<Model.Package xmi.id = 'a40C815FB004C' >
  <Model.ModelElement.name>MetaModelLfP</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLfP.org.omg.mof.idl_prefix=mof.omg.org [Tag] ===== -->
    <Model.Tag xmi.id = 'G.181' >
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      <Model.Tag.elements>
        <Model.ModelElement xmi.idref = 'a40C815FB004C' /> <!-- MetaModelLfP -->
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    </Model.Tag>
    <!-- ===== MetaModelLfP.Behavioral Diagram [Package] ===== -->
    <Model.Package xmi.id = 'a40C815FB00CE' >
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      <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
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      <Model.Namespace.contents>
        <!-- ===== MetaModelLfP.Behavioral Diagram.BDStates [Class] ===== -->
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          <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
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            <!-- ===== MetaModelLfP.Behavioral Diagram.BDStates.stateName [Attribute] ===== -->
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</XMI>
```



```

</Model.Namespace.contents>
</Model.Class>
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    <Model.ModelElement xmi.idref = 'a40C815FB0164' /> <!-- MetaModelLfp.Behavioral Diagram.BDTransitions -->
    <Model.ModelElement xmi.idref = 'a40C815FB016F' /> <!-- MetaModelLfp.Behavioral Diagram.BDArcs -->
    <Model.ModelElement xmi.idref = 'a40C815FB0171' /> <!-- MetaModelLfp.Behavioral Diagram.BDMainClassDeclarations -->
    <Model.ModelElement xmi.idref = 'a40C815FB0178' /> <!-- MetaModelLfp.Behavioral Diagram.BDHierarchicalDiagram -->
    <Model.ModelElement xmi.idref = 'a40C815FB0182' /> <!-- MetaModelLfp.Behavioral Diagram.BDInitialState -->
    <Model.ModelElement xmi.idref = 'a40C815FB018C' /> <!-- MetaModelLfp.Behavioral Diagram.BDFinalState -->
    <Model.ModelElement xmi.idref = 'a40C815FB018D' /> <!-- MetaModelLfp.Behavioral Diagram.BDState -->
    <Model.ModelElement xmi.idref = 'a40C815FB018E' /> <!-- MetaModelLfp.Behavioral Diagram.BDHierarchicalTransition -->
    <Model.ModelElement xmi.idref = 'a40C815FB0196' /> <!-- MetaModelLfp.Behavioral Diagram.BDTriggerDeclaration -->
    <Model.ModelElement xmi.idref = 'a40C815FB0197' /> <!-- MetaModelLfp.Behavioral Diagram.BDSimpleTransition -->
    <Model.ModelElement xmi.idref = 'a40C815FB0198' /> <!-- MetaModelLfp.Behavioral Diagram.BDRReception -->
    <Model.ModelElement xmi.idref = 'a40C815FB0199' /> <!-- MetaModelLfp.Behavioral Diagram.BDSend -->
    <Model.ModelElement xmi.idref = 'a40C815FB019A' /> <!-- MetaModelLfp.Behavioral Diagram.BDSendAndReception -->
    <Model.ModelElement xmi.idref = 'a40C815FB01A0' /> <!-- MetaModelLfp.Behavioral Diagram.BDTrigger -->
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    <Model.ModelElement xmi.idref = 'a40C815FB0210' /> <!-- MetaModelLfp.Behavioral Diagram.BDFunctionDeclaration -->
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    <Model.ModelElement xmi.idref = 'a40C815FB024C' /> <!-- MetaModelLfp.Behavioral Diagram.ReceptionControlMsg -->
    <Model.ModelElement xmi.idref = 'a40C815FB024D' /> <!-- MetaModelLfp.Behavioral Diagram.MediaMsgOperation -->
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    <Model.ModelElement xmi.idref = 'a40C815FB0257' /> <!-- MetaModelLfp.Behavioral Diagram.SendMsgMedia -->
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    <Model.ModelElement xmi.idref = 'a40C815FB0261' /> <!-- MetaModelLfp.Behavioral Diagram.AsyncProcCall -->
    <Model.ModelElement xmi.idref = 'a40C815FB0262' /> <!-- MetaModelLfp.Behavioral Diagram.SendMsgOp -->
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    <Model.ModelElement xmi.idref = 'a40C815FB026A' /> <!-- MetaModelLfp.Behavioral Diagram.BDMainMediaDeclarations -->
    <Model.ModelElement xmi.idref = 'a40C815FB026B' /> <!-- MetaModelLfp.Behavioral Diagram.BDMainMedia -->
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    <Model.Attribute xmi.id = 'a40C815FB0179' >
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</Model.Class>

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```

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  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "true"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB00D0' /> <!-- MetaModelLfp.Behavioral Diagram.BDStates -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.BDFinalState [Class] ===== -->
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  <Model.ModelElement.name>BDFinalState</Model.ModelElement.name>
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  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB00D0' /> <!-- MetaModelLfp.Behavioral Diagram.BDStates -->
  </Model.GeneralizableElement.supertypes>
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  <Model.Class.isSingleton xmi.value = "false"/>
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<!-- ===== MetaModelLfp.Behavioral Diagram.BDHierarchicalTransition [Class] ===== -->
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  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0164' /> <!-- MetaModelLfp.Behavioral Diagram.BDTransitions -->
  </Model.GeneralizableElement.supertypes>
</Model.Namespace.contents>
<!-- ===== MetaModelLfp.Behavioral Diagram.BDHierarchicalTransition.referenceHD [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB018F' >
  <Model.ModelElement.name>referenceHD</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
    <XMI.field>1</XMI.field>
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    <XMI.field>>false</XMI.field>
    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB02C5' /> <!-- MetaModelLfp.DataTypes.String -->
  </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.BDCommunicationTransition [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0196' >
  <Model.ModelElement.name>BDCommunicationTransition</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>

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<Model.GeneralizableElement.supertypes>
  <Model.GeneralizableElement xmi.idref = 'a40C815FB0164' /> <!-- MetaModellFP.Behavioral Diagram.BDTransitions -->
</Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModellFP.Behavioral Diagram.BDSimpleTransition [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0197' >
  <Model.ModelElement.name>BDSimpleTransition</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0164' /> <!-- MetaModellFP.Behavioral Diagram.BDTransitions -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModellFP.Behavioral Diagram.BDReception [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0198' >
  <Model.ModelElement.name>BDReception</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0196' /> <!-- MetaModellFP.Behavioral Diagram.BDCommunicationTransition -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModellFP.Behavioral Diagram.BDSend [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0199' >
  <Model.ModelElement.name>BDSend</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
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  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0196' /> <!-- MetaModellFP.Behavioral Diagram.BDCommunicationTransition -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModellFP.Behavioral Diagram.BDSendAndReception [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB019A' >
  <Model.ModelElement.name>BDSendAndReception</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0196' /> <!-- MetaModellFP.Behavioral Diagram.BDCommunicationTransition -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModellFP.Behavioral Diagram.BDTrigger [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01A0' >
  <Model.ModelElement.name>BDTrigger</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
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  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0178' /> <!-- MetaModellFP.Behavioral Diagram.BDHierarchicalDiagram -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModellFP.Behavioral Diagram.BDTrigger.triggerDeclaration [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB01A1' >
      <Model.ModelElement.name>triggerDeclaration</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
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        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
    </Model.Attribute>
  </Model.Namespace.contents>

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        <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB01E6' /> <!-- MetaModellFp.Behavioral Diagram.BDTriggerDeclaration -->
    </Model.TypedElement.type>
    </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModellFp.Behavioral Diagram.BDFunction [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01A2' >
    <Model.ModelElement.name>BDFunction</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
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    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB0178' /> <!-- MetaModellFp.Behavioral Diagram.BDHierarchicalDiagram -->
    </Model.GeneralizableElement.supertypes>
    <Model.Namespace.contents>
        <!-- ===== MetaModellFp.Behavioral Diagram.BDFunction.functionDeclaration [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB01A3' >
            <Model.ModelElement.name>functionDeclaration</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
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                <XMI.field>1</XMI.field>
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                <XMI.field>>false</XMI.field>
            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB0210' /> <!-- MetaModellFp.Behavioral Diagram.BDFunctionDeclaration -->
            </Model.TypedElement.type>
        </Model.Attribute>
        <!-- ===== MetaModellFp.Behavioral Diagram.BDFunction.activationPort [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB01AA' >
            <Model.ModelElement.name>activationPort</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
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            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModellFp.DataTypes.Identifier -->
            </Model.TypedElement.type>
        </Model.Attribute>
    </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModellFp.Behavioral Diagram.BDProcedure [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01AB' >
    <Model.ModelElement.name>BDProcedure</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
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    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB0178' /> <!-- MetaModellFp.Behavioral Diagram.BDHierarchicalDiagram -->
    </Model.GeneralizableElement.supertypes>
    <Model.Namespace.contents>
        <!-- ===== MetaModellFp.Behavioral Diagram.BDProcedure.procedureDeclaration [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB01AC' >
            <Model.ModelElement.name>procedureDeclaration</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
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                <XMI.field>1</XMI.field>
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                <XMI.field>>false</XMI.field>
            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    </Model.Namespace.contents>
</Model.Class>

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    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB01F0' /> <!-- MetaModelLFP.Behavioral Diagram.BDProcedureDeclaration -->
    </Model.TypedElement.type>
  </Model.Attribute>
<!-- ===== MetaModelLFP.Behavioral Diagram.BDProcedure.activationPort [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB01B4' >
  <Model.ModelElement.name>activationPort</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLFP.DataTypes.Identifier -->
  </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Behavioral Diagram.Behavioral Diagram [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01B5' >
  <Model.ModelElement.name>Behavioral Diagram</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Behavioral Diagram.Behavioral Diagram.diagName [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB01B6' >
      <Model.ModelElement.name>diagName</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
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        <XMI.field>1</XMI.field>
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      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02C5' /> <!-- MetaModelLFP.DataTypes.String -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Behavioral Diagram.BDInstruction [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01BE' >
  <Model.ModelElement.name>BDInstruction</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
</Model.Class>
<!-- ===== MetaModelLFP.Behavioral Diagram.BDGuard [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01BF' >
  <Model.ModelElement.name>BDGuard</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Behavioral Diagram.BDGuard.guardExpression [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB01C0' >
      <Model.ModelElement.name>guardExpression</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>

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        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0328'/> <!-- MetaModelLfp.DataTypes.Expression -->
    </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.ClassMsgOperation [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01C1' >
    <Model.ModelElement.name>ClassMsgOperation</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.Namespace.contents>
        <!-- ===== MetaModelLfp.Behavioral Diagram.ClassMsgOperation.port [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB01C2' >
            <Model.ModelElement.name>port</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
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                <XMI.field>>false</XMI.field>
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            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB02CF'/> <!-- MetaModelLfp.DataTypes.Identifier -->
            </Model.TypedElement.type>
        </Model.Attribute>
    </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.BDTypeDeclaration [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01C8' >
    <Model.ModelElement.name>BDTypeDeclaration</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.Namespace.contents>
        <!-- ===== MetaModelLfp.Behavioral Diagram.BDTypeDeclaration.type [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB01C9' >
            <Model.ModelElement.name>type</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
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            <Model.Attribute.isDerived xmi.value = "false"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB034F'/> <!-- MetaModelLfp.Types.Types -->
            </Model.TypedElement.type>
        </Model.Attribute>
    </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.VarDeclaration [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01CA' >
    <Model.ModelElement.name>VarDeclaration</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.Namespace.contents>
        <!-- ===== MetaModelLfp.Behavioral Diagram.VarDeclaration.varName [Attribute] ===== -->

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<Model.Attribute xmi.id = 'a40C815FB01D2' >
  <Model.ModelElement.name>varName</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLFP.DataTypes.Identifier -->
  </Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLFP.Behavioral Diagram.VarDeclaration.type [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB01D3' >
  <Model.ModelElement.name>type</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB03B5' /> <!-- MetaModelLFP.Types.TypeDescriptor -->
  </Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLFP.Behavioral Diagram.VarDeclaration.initValue [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB01D4' >
  <Model.ModelElement.name>initValue</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
  </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Behavioral Diagram.ConstDeclaration [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01DC' >
  <Model.ModelElement.name>ConstDeclaration</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Behavioral Diagram.ConstDeclaration.constName [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB01DD' >
      <Model.ModelElement.name>constName</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
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        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLFP.DataTypes.Identifier -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>

```



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<!-- ===== MetaModellFp.Behavioral Diagram.ConstDeclaration.type [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB01DE' >
<Model.ModelElement.name>type</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>
  <XMI.field>1</XMI.field>
  <XMI.field>1</XMI.field>
  <XMI.field>>false</XMI.field>
  <XMI.field>>false</XMI.field>
</Model.StructuralFeature.multiplicity>
<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB03B5' /> <!-- MetaModellFp.Types.TypeDescriptor -->
</Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModellFp.Behavioral Diagram.ConstDeclaration.initValue [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB01DF' >
<Model.ModelElement.name>initValue</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>
  <XMI.field>1</XMI.field>
  <XMI.field>1</XMI.field>
  <XMI.field>>false</XMI.field>
  <XMI.field>>false</XMI.field>
</Model.StructuralFeature.multiplicity>
<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModellFp.DataTypes.Expression -->
</Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModellFp.Behavioral Diagram.BDTriggerDeclaration [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01E6' >
<Model.ModelElement.name>BDTriggerDeclaration</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.Namespace.contents>
  <!-- ===== MetaModellFp.Behavioral Diagram.BDTriggerDeclaration.triggerName [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB01E7' >
  <Model.ModelElement.name>triggerName</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
    <XMI.field>1</XMI.field>
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  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModellFp.DataTypes.Identifier -->
  </Model.TypedElement.type>
  </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModellFp.Behavioral Diagram.BDProcedureDeclaration [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01F0' >
<Model.ModelElement.name>BDProcedureDeclaration</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.Namespace.contents>
  <!-- ===== MetaModellFp.Behavioral Diagram.BDProcedureDeclaration.procedureName [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB01F1' >
  <Model.ModelElement.name>procedureName</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>

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<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>
  <XMI.field>1</XMI.field>
  <XMI.field>1</XMI.field>
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  <XMI.field>>false</XMI.field>
</Model.StructuralFeature.multiplicity>
<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLFP.DataTypes.Identifier -->
</Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLFP.Behavioral Diagram.BDProcedureDeclaration.isSynchronous [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB01F2' >
  <Model.ModelElement.name>isSynchronous</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
    <XMI.field>1</XMI.field>
    <XMI.field>1</XMI.field>
    <XMI.field>>false</XMI.field>
    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB02CD' /> <!-- MetaModelLFP.DataTypes.Boolean -->
  </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Behavioral Diagram.BDMainClass [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01FB' >
  <Model.ModelElement.name>BDMainClass</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB01B5' /> <!-- MetaModelLFP.Behavioral Diagram.Behavioral Diagram -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Behavioral Diagram.BDMainClass.declarations [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB01FC' >
      <Model.ModelElement.name>declarations</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
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        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0171' /> <!-- MetaModelLFP.Behavioral Diagram.BDMainClassDeclarations -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Behavioral Diagram.BDMethodParameter [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB01FD' >
  <Model.ModelElement.name>BDMethodParameter</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Behavioral Diagram.BDMethodParameter.paramName [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB01FE' >
      <Model.ModelElement.name>paramName</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>

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        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
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        <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLfp.DataTypes.Identifier -->
    </Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLfp.Behavioral Diagram.BDMethodParameter.mode [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0205' >
    <Model.ModelElement.name>mode</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
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    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02D1' /> <!-- MetaModelLfp.DataTypes.ParamMode -->
    </Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLfp.Behavioral Diagram.BDMethodParameter.paramType [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0206' >
    <Model.ModelElement.name>paramType</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
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        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB03B5' /> <!-- MetaModelLfp.Types.TypeDescriptor -->
    </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.TypeVarConstDeclarations [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB020F' >
    <Model.ModelElement.name>TypeVarConstDeclarations</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.BDFunctionDeclaration [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0210' >
    <Model.ModelElement.name>BDFunctionDeclaration</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.Namespace.contents>
        <!-- ===== MetaModelLfp.Behavioral Diagram.BDFunctionDeclaration.functionName [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB0211' >
            <Model.ModelElement.name>functionName</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
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                <XMI.field>>false</XMI.field>
            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>

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    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLFP.DataTypes.Identifier -->
    </Model.TypedElement.type>
  </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Behavioral Diagram.BDFunctionDeclaration.returnType [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0212' >
  <Model.ModelElement.name>returnType</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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    <XMI.field>1</XMI.field>
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    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB03B5' /> <!-- MetaModelLFP.Types.TypeDescriptor -->
  </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Behavioral Diagram.IfInstruction [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0219' >
  <Model.ModelElement.name>IfInstruction</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB01BE' /> <!-- MetaModelLFP.Behavioral Diagram.BDInstruction -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Behavioral Diagram.IfInstruction.condition [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB021A' >
      <Model.ModelElement.name>condition</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Behavioral Diagram.ForInstruction [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB021B' >
  <Model.ModelElement.name>ForInstruction</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB01BE' /> <!-- MetaModelLFP.Behavioral Diagram.BDInstruction -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Behavioral Diagram.ForInstruction.index [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB021C' >
      <Model.ModelElement.name>index</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
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        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>

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<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLfp.DataTypes.Identifier -->
</Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLfp.Behavioral Diagram.ForInstruction.rangeRule [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0223' >
<Model.ModelElement.name>rangeRule</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>
  <XMI.field>1</XMI.field>
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</Model.StructuralFeature.multiplicity>
<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB0397' /> <!-- MetaModelLfp.Types.RangeRules -->
</Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.WhileInstruction [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0224' >
<Model.ModelElement.name>WhileInstruction</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.GeneralizableElement.supertypes>
  <Model.GeneralizableElement xmi.idref = 'a40C815FB01BE' /> <!-- MetaModelLfp.Behavioral Diagram.BDInstruction -->
</Model.GeneralizableElement.supertypes>
<Model.Namespace.contents>
  <!-- ===== MetaModelLfp.Behavioral Diagram.WhileInstruction.condition [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB0225' >
  <Model.ModelElement.name>condition</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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    <XMI.field>1</XMI.field>
    <XMI.field>>false</XMI.field>
    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
  </Model.TypedElement.type>
  </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.AssignmentInstruction [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB022D' >
<Model.ModelElement.name>AssignmentInstruction</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.GeneralizableElement.supertypes>
  <Model.GeneralizableElement xmi.idref = 'a40C815FB01BE' /> <!-- MetaModelLfp.Behavioral Diagram.BDInstruction -->
</Model.GeneralizableElement.supertypes>
<Model.Namespace.contents>
  <!-- ===== MetaModelLfp.Behavioral Diagram.AssignmentInstruction.varName [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB022E' >
  <Model.ModelElement.name>varName</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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    <XMI.field>1</XMI.field>
    <XMI.field>>false</XMI.field>
    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>

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    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLfp.DataTypes.ExprVar -->
    </Model.TypedElement.type>
  </Model.Attribute>
  <!-- ===== MetaModelLfp.Behavioral Diagram.AssignmentInstruction.value [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB022F' >
    <Model.ModelElement.name>value</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
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      <XMI.field>1</XMI.field>
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      <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
    </Model.TypedElement.type>
  </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.ReturnStatement [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0230' >
  <Model.ModelElement.name>ReturnStatement</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB01C1' /> <!-- MetaModelLfp.Behavioral Diagram.ClassMsgOperation -->
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0262' /> <!-- MetaModelLfp.Behavioral Diagram.SendMsgOp -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.ControlMsg [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0237' >
  <Model.ModelElement.name>ControlMsg</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB01C1' /> <!-- MetaModelLfp.Behavioral Diagram.ClassMsgOperation -->
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0262' /> <!-- MetaModelLfp.Behavioral Diagram.SendMsgOp -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.MethodCall [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0238' >
  <Model.ModelElement.name>MethodCall</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB01C1' /> <!-- MetaModelLfp.Behavioral Diagram.ClassMsgOperation -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLfp.Behavioral Diagram.MethodCall.targetComponent [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB0239' >
      <Model.ModelElement.name>targetComponent</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLfp.DataTypes.Identifier -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>

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    </Model.TypedElement.type>
  </Model.Attribute>
  <!-- ===== MetaModelLfp.Behavioral Diagram.MethodCall.procedure [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB0241' >
    <Model.ModelElement.name>procedure</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
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      <XMI.field>1</XMI.field>
      <XMI.field>>false</XMI.field>
      <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLfp.DataTypes.Identifier -->
    </Model.TypedElement.type>
  </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.FunctionCall [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0242' >
  <Model.ModelElement.name>FunctionCall</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0238' /> <!-- MetaModelLfp.Behavioral Diagram.MethodCall -->
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0269' /> <!-- MetaModelLfp.Behavioral Diagram.SRMsgOp -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLfp.Behavioral Diagram.FunctionCall.returnVal [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB0243' >
      <Model.ModelElement.name>returnVal</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
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      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLfp.DataTypes.ExprVar -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.SendMsg [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0244' >
  <Model.ModelElement.name>SendMsg</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB01C1' /> <!-- MetaModelLfp.Behavioral Diagram.ClassMsgOperation -->
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0262' /> <!-- MetaModelLfp.Behavioral Diagram.SendMsgOp -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.ReadMsg [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB024B' >
  <Model.ModelElement.name>ReadMsg</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB01C1' /> <!-- MetaModelLfp.Behavioral Diagram.ClassMsgOperation -->
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0263' /> <!-- MetaModelLfp.Behavioral Diagram.ReceptionMsgOp -->
  </Model.GeneralizableElement.supertypes>

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</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.ReceptionControlMsg [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB024C' >
  <Model.ModelElement.name>ReceptionControlMsg</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB024D' /> <!-- MetaModelLfp.Behavioral Diagram.MediaMsgOperation -->
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0263' /> <!-- MetaModelLfp.Behavioral Diagram.ReceptionMsgOp -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.MediaMsgOperation [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB024D' >
  <Model.ModelElement.name>MediaMsgOperation</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLfp.Behavioral Diagram.MediaMsgOperation.port [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB024E' >
      <Model.ModelElement.name>port</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
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        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLfp.DataTypes.Identifier -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.ReceptionMsg [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0255' >
  <Model.ModelElement.name>ReceptionMsg</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB024D' /> <!-- MetaModelLfp.Behavioral Diagram.MediaMsgOperation -->
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0263' /> <!-- MetaModelLfp.Behavioral Diagram.ReceptionMsgOp -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLfp.Behavioral Diagram.ReceptionMsg.message [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB0256' >
      <Model.ModelElement.name>message</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
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        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLfp.DataTypes.ExprVar -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.SendMsgMedia [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0257' >
  <Model.ModelElement.name>SendMsgMedia</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>

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<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.GeneralizableElement.supertypes>
  <Model.GeneralizableElement xmi.idref = 'a40C815FB024D' /> <!-- MetaModelLfp.Behavioral Diagram.MediaMsgOperation -->
  <Model.GeneralizableElement xmi.idref = 'a40C815FB0262' /> <!-- MetaModelLfp.Behavioral Diagram.SendMsgOp -->
</Model.GeneralizableElement.supertypes>
</Model.Namespace.contents>
<!-- ===== MetaModelLfp.Behavioral Diagram.SendMsgMedia.message [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB025F' >
  <Model.ModelElement.name>message</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLfp.DataTypes.ExprVar -->
  </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.SynchProcCall [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0260' >
  <Model.ModelElement.name>SynchProcCall</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0238' /> <!-- MetaModelLfp.Behavioral Diagram.MethodCall -->
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0269' /> <!-- MetaModelLfp.Behavioral Diagram.SRMsgOp -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.AsynchProcCall [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0261' >
  <Model.ModelElement.name>AsynchProcCall</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0238' /> <!-- MetaModelLfp.Behavioral Diagram.MethodCall -->
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0262' /> <!-- MetaModelLfp.Behavioral Diagram.SendMsgOp -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.SendMsgOp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0262' >
  <Model.ModelElement.name>SendMsgOp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.ReceptionMsgOp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0263' >
  <Model.ModelElement.name>ReceptionMsgOp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.SRMsgOp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0269' >
  <Model.ModelElement.name>SRMsgOp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>

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<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "true"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.BDMainMediaDeclarations [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB026A' >
<Model.ModelElement.name>BDMainMediaDeclarations</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
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<Model.Class.isSingleton xmi.value = "false"/>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.BDMainMedia [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB026B' >
<Model.ModelElement.name>BDMainMedia</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
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<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.GeneralizableElement.supertypes>
<Model.GeneralizableElement xmi.idref = 'a40C815FB01B5'/> <!-- MetaModelLfp.Behavioral Diagram.Behavioral Diagram -->
</Model.GeneralizableElement.supertypes>
<Model.Namespace.contents>
<!-- ===== MetaModelLfp.Behavioral Diagram.BDMainMedia.declarations [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB026C' >
<Model.ModelElement.name>declarations</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
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<Model.StructuralFeature.multiplicity>
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<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
<Model.Classifier xmi.idref = 'a40C815FB026A'/> <!-- MetaModelLfp.Behavioral Diagram.BDMainMediaDeclarations -->
</Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.MessageCont [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0273' >
<Model.ModelElement.name>MessageCont</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.Namespace.contents>
<!-- ===== MetaModelLfp.Behavioral Diagram.MessageCont.var [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0274' >
<Model.ModelElement.name>var</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>
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</Model.StructuralFeature.multiplicity>
<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
<Model.Classifier xmi.idref = 'a40C815FB02D7'/> <!-- MetaModelLfp.DataTypes.ExprVar -->
</Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLfp.Behavioral Diagram.MessageCont.value [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0275' >
<Model.ModelElement.name>value</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>

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        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
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    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02D7'/> <!-- MetaModelLfp.DataTypes.ExprVar -->
    </Model.TypedElement.type>
    </Model.Attribute>
    </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Behavioral Diagram.referencedDiagram [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0062' >
    <Model.ModelElement.name>referencedDiagram</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true"/>
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    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Association.isDerived xmi.value = "false"/>
    <Model.Namespace.contents>
        <Model.AssociationEnd xmi.id = 'a40C815FC0063' >
            <Model.ModelElement.name>bDHierarchicalDiagram</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
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      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB01E6' /> <!-- MetaModelLfp.Behavioral Diagram.BDTriggerDeclaration -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.typeDecla [Association] ===== -->

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<Model.Association xmi.id = 'a40C815FC0120' >
  <Model.ModelElement.name>typeDecla</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0121' >
      <Model.ModelElement.name>typeVarConstDeclarations</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "shared"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB020F' /> <!-- MetaModellFp.Behavioral Diagram.TypeVarConstDeclarations -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC0123' >
      <Model.ModelElement.name>bDTypeDeclaration</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
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        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB01C8' /> <!-- MetaModellFp.Behavioral Diagram.BDTypeDeclaration -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModellFp.Behavioral Diagram.constDecla [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0134' >
  <Model.ModelElement.name>constDecla</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0135' >
      <Model.ModelElement.name>typeVarConstDeclarations</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "shared"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB020F' /> <!-- MetaModellFp.Behavioral Diagram.TypeVarConstDeclarations -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC0137' >
      <Model.ModelElement.name>constDeclaration</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB01DC' /> <!-- MetaModellFp.Behavioral Diagram.ConstDeclaration -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>

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        </Model.TypedElement.type>
    </Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.varDecla [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC013E' >
    <Model.ModelElement.name>varDecla</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Association.isDerived xmi.value = "false"/>
    <Model.Namespace.contents>
        <Model.AssociationEnd xmi.id = 'a40C815FC013F' >
            <Model.ModelElement.name>typeVarConstDeclarations</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true"/>
            <Model.AssociationEnd.aggregation xmi.value = "shared"/>
            <Model.AssociationEnd.multiplicity>
                <XMI.field>0</XMI.field>
                <XMI.field>-1</XMI.field>
                <XMI.field>>false</XMI.field>
                <XMI.field>>true</XMI.field>
            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB020F' /> <!-- MetaModelLfp.Behavioral Diagram.TypeVarConstDeclarations -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
        <Model.AssociationEnd xmi.id = 'a40C815FC0149' >
            <Model.ModelElement.name>varDeclaration</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
            <Model.AssociationEnd.multiplicity>
                <XMI.field>0</XMI.field>
                <XMI.field>-1</XMI.field>
                <XMI.field>>false</XMI.field>
                <XMI.field>>true</XMI.field>
            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB01CA' /> <!-- MetaModelLfp.Behavioral Diagram.VarDeclaration -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
    </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.funcParameters [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0152' >
    <Model.ModelElement.name>funcParameters</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Association.isDerived xmi.value = "false"/>
    <Model.Namespace.contents>
        <Model.AssociationEnd xmi.id = 'a40C815FC0153' >
            <Model.ModelElement.name>bDFunctionDeclaration</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "false"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
            <Model.AssociationEnd.multiplicity>
                <XMI.field>1</XMI.field>
                <XMI.field>1</XMI.field>
                <XMI.field>>false</XMI.field>
                <XMI.field>>false</XMI.field>
            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB0210' /> <!-- MetaModelLfp.Behavioral Diagram.BDFunctionDeclaration -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
        <Model.AssociationEnd xmi.id = 'a40C815FC0155' >
            <Model.ModelElement.name>bDMethodParameter</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
            <Model.AssociationEnd.multiplicity>
                <XMI.field>0</XMI.field>
                <XMI.field>-1</XMI.field>
                <XMI.field>>false</XMI.field>
    
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        <XMI.field>true</XMI.field>
    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB01FD' /> <!-- MetaModelLfp.Behavioral Diagram.BDMethodParameter -->
    </Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.forInstructions [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0166' >
    <Model.ModelElement.name>forInstructions</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Association.isDerived xmi.value = "false"/>
    <Model.Namespace.contents>
        <Model.AssociationEnd xmi.id = 'a40C815FC0167' >
            <Model.ModelElement.name>forInstruction</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "false"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
            <Model.AssociationEnd.multiplicity>
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                <XMI.field>-1</XMI.field>
                <XMI.field>>false</XMI.field>
                <XMI.field>true</XMI.field>
            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB021B' /> <!-- MetaModelLfp.Behavioral Diagram.ForInstruction -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
        <Model.AssociationEnd xmi.id = 'a40C815FC0169' >
            <Model.ModelElement.name>bDInstruction</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
            <Model.AssociationEnd.multiplicity>
                <XMI.field>1</XMI.field>
                <XMI.field>-1</XMI.field>
                <XMI.field>true</XMI.field>
                <XMI.field>true</XMI.field>
            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB01BE' /> <!-- MetaModelLfp.Behavioral Diagram.BDInstruction -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
    </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.thenInstructions [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC017A' >
    <Model.ModelElement.name>thenInstructions</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Association.isDerived xmi.value = "false"/>
    <Model.Namespace.contents>
        <Model.AssociationEnd xmi.id = 'a40C815FC017B' >
            <Model.ModelElement.name>callThenInstr</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "false"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
            <Model.AssociationEnd.multiplicity>
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                <XMI.field>>false</XMI.field>
                <XMI.field>true</XMI.field>
            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB0219' /> <!-- MetaModelLfp.Behavioral Diagram.IfInstruction -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
        <Model.AssociationEnd xmi.id = 'a40C815FC017D' >
            <Model.ModelElement.name>thenInstr</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true"/>
    </Model.Namespace.contents>
</Model.Association>

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<Model.AssociationEnd.aggregation xmi.value = "none"/>
<Model.AssociationEnd.multiplicity>
  <XMI.field>1</XMI.field>
  <XMI.field>-1</XMI.field>
  <XMI.field>>true</XMI.field>
  <XMI.field>>true</XMI.field>
</Model.AssociationEnd.multiplicity>
<Model.AssociationEnd.isChangeable xmi.value = "true"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB01BE' /> <!-- MetaModelLfp.Behavioral Diagram.BDInstruction -->
</Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.whileInstructions [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0184' >
  <Model.ModelElement.name>whileInstructions</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0185' >
      <Model.ModelElement.name>whileInstruction</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
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        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0224' /> <!-- MetaModelLfp.Behavioral Diagram.WhileInstruction -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC018E' >
      <Model.ModelElement.name>BDInstruction</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>true</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB01BE' /> <!-- MetaModelLfp.Behavioral Diagram.BDInstruction -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.mainFuncDecla [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0198' >
  <Model.ModelElement.name>mainFuncDecla</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0199' >
      <Model.ModelElement.name>BDMainClassDeclarations</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "shared"/>
      <Model.AssociationEnd.multiplicity>
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        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0171' /> <!-- MetaModelLfp.Behavioral Diagram.BDMainClassDeclarations -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>

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</Model.AssociationEnd>
<Model.AssociationEnd xmi.id = 'a40C815FC019B' >
  <Model.ModelElement.name>bDFunctionDeclaration</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.AssociationEnd.isNavigable xmi.value = "true"/>
  <Model.AssociationEnd.aggregation xmi.value = "none"/>
  <Model.AssociationEnd.multiplicity>
    <XMI.field>0</XMI.field>
    <XMI.field>-1</XMI.field>
    <XMI.field>>false</XMI.field>
    <XMI.field>>true</XMI.field>
  </Model.AssociationEnd.multiplicity>
  <Model.AssociationEnd.isChangeable xmi.value = "true"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB0210' /> <!-- MetaModelLfp.Behavioral Diagram.BDFunctionDeclaration -->
  </Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.sendMessageOp [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC01AC' >
  <Model.ModelElement.name>sendMessageOp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC01AD' >
      <Model.ModelElement.name>bDSend</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0199' /> <!-- MetaModelLfp.Behavioral Diagram.BDSend -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC01AF' >
      <Model.ModelElement.name>sendMessageOp</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0262' /> <!-- MetaModelLfp.Behavioral Diagram.SendMessageOp -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.receptionMsgOp [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC01C0' >
  <Model.ModelElement.name>receptionMsgOp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC01C1' >
      <Model.ModelElement.name>bDReception</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>

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    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB0198' /> <!-- MetaModelLfp.Behavioral Diagram.BDReception -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
<Model.AssociationEnd xmi.id = 'a40C815FC01C3' >
  <Model.ModelElement.name>receptionMsgOp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.AssociationEnd.isNavigable xmi.value = "true"/>
  <Model.AssociationEnd.aggregation xmi.value = "none"/>
  <Model.AssociationEnd.multiplicity>
    <XMI.field>1</XMI.field>
    <XMI.field>-1</XMI.field>
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    <XMI.field>>true</XMI.field>
  </Model.AssociationEnd.multiplicity>
  <Model.AssociationEnd.isChangeable xmi.value = "true"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB0263' /> <!-- MetaModelLfp.Behavioral Diagram.ReceptionMsgOp -->
  </Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.srMsgOp [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC01CA' >
  <Model.ModelElement.name>srMsgOp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
<Model.Namespace.contents>
  <Model.AssociationEnd xmi.id = 'a40C815FC01CB' >
    <Model.ModelElement.name>bDSendAndReception</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.AssociationEnd.isNavigable xmi.value = "false"/>
    <Model.AssociationEnd.aggregation xmi.value = "none"/>
    <Model.AssociationEnd.multiplicity>
      <XMI.field>0</XMI.field>
      <XMI.field>-1</XMI.field>
      <XMI.field>>false</XMI.field>
      <XMI.field>>true</XMI.field>
    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB019A' /> <!-- MetaModelLfp.Behavioral Diagram.BDSendAndReception -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
  <Model.AssociationEnd xmi.id = 'a40C815FC01D5' >
    <Model.ModelElement.name>srMsgOp</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.AssociationEnd.isNavigable xmi.value = "true"/>
    <Model.AssociationEnd.aggregation xmi.value = "none"/>
    <Model.AssociationEnd.multiplicity>
      <XMI.field>1</XMI.field>
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      <XMI.field>>false</XMI.field>
      <XMI.field>>true</XMI.field>
    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB0269' /> <!-- MetaModelLfp.Behavioral Diagram.SRMsgOp -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.arcState [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC01DE' >
  <Model.ModelElement.name>arcState</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
<Model.Namespace.contents>
  <Model.AssociationEnd xmi.id = 'a40C815FC01DF' >
    <Model.ModelElement.name>nextStep</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.AssociationEnd.isNavigable xmi.value = "true"/>
    <Model.AssociationEnd.aggregation xmi.value = "none"/>

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<Model.AssociationEnd.multiplicity>
  <XMI.field>0</XMI.field>
  <XMI.field>-1</XMI.field>
  <XMI.field>>false</XMI.field>
  <XMI.field>>true</XMI.field>
</Model.AssociationEnd.multiplicity>
<Model.AssociationEnd.isChangeable xmi.value = "true"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB016F' /> <!-- MetaModelLfp.Behavioral Diagram.BDArcs -->
</Model.TypedElement.type>
</Model.AssociationEnd>
<Model.AssociationEnd xmi.id = 'a40C815FC01E1' >
  <Model.ModelElement.name>targetState</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.AssociationEnd.isNavigable xmi.value = "true"/>
  <Model.AssociationEnd.aggregation xmi.value = "none"/>
  <Model.AssociationEnd.multiplicity>
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    <XMI.field>>false</XMI.field>
    <XMI.field>>true</XMI.field>
  </Model.AssociationEnd.multiplicity>
  <Model.AssociationEnd.isChangeable xmi.value = "true"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB00D0' /> <!-- MetaModelLfp.Behavioral Diagram.BDStates -->
  </Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.arcTrans [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC01F2' >
  <Model.ModelElement.name>arcTrans</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC01F3' >
      <Model.ModelElement.name>targetTransition</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
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        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0164' /> <!-- MetaModelLfp.Behavioral Diagram.BDTransitions -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC01F5' >
      <Model.ModelElement.name>nextStep</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB016F' /> <!-- MetaModelLfp.Behavioral Diagram.BDArcs -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.mainMediaTypeDecla [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC01FC' >
  <Model.ModelElement.name>mainMediaTypeDecla</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>

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<Model.AssociationEnd xmi.id = 'a40C815FC01FD' >
  <Model.ModelElement.name>bdMainMediaDeclarations</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.AssociationEnd.isNavigable xmi.value = "true"/>
  <Model.AssociationEnd.aggregation xmi.value = "shared"/>
  <Model.AssociationEnd.multiplicity>
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  </Model.AssociationEnd.multiplicity>
  <Model.AssociationEnd.isChangeable xmi.value = "true"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB026A' /> <!-- MetaModelLFP.Behavioral Diagram.BDMainMediaDeclarations -->
  </Model.TypedElement.type>
</Model.AssociationEnd>
<Model.AssociationEnd xmi.id = 'a40C815FC0207' >
  <Model.ModelElement.name>bdTypeDeclaration</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.AssociationEnd.isNavigable xmi.value = "true"/>
  <Model.AssociationEnd.aggregation xmi.value = "none"/>
  <Model.AssociationEnd.multiplicity>
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  </Model.AssociationEnd.multiplicity>
  <Model.AssociationEnd.isChangeable xmi.value = "true"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB01C8' /> <!-- MetaModelLFP.Behavioral Diagram.BDTypeDeclaration -->
  </Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLFP.Behavioral Diagram.mainMediaConstDecla [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0210' >
  <Model.ModelElement.name>mainMediaConstDecla</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0211' >
      <Model.ModelElement.name>bdMainMediaDeclarations</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "shared"/>
      <Model.AssociationEnd.multiplicity>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB026A' /> <!-- MetaModelLFP.Behavioral Diagram.BDMainMediaDeclarations -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC0213' >
      <Model.ModelElement.name>constDeclaration</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
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        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB01DC' /> <!-- MetaModelLFP.Behavioral Diagram.ConstDeclaration -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLFP.Behavioral Diagram.mainMediaVarDecla [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0224' >
  <Model.ModelElement.name>mainMediaVarDecla</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>

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<Model.GeneralizableElement.isLeaf xmi.value = "true"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Association.isDerived xmi.value = "false"/>
<Model.Namespace.contents>
  <Model.AssociationEnd xmi.id = 'a40C815FC0225' >
    <Model.ModelElement.name>bDMainMediaDeclarations</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.AssociationEnd.isNavigable xmi.value = "true"/>
    <Model.AssociationEnd.aggregation xmi.value = "shared"/>
    <Model.AssociationEnd.multiplicity>
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    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB026A'/'> <!-- MetaModelLfp.Behavioral Diagram.BDMainMediaDeclarations -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
  <Model.AssociationEnd xmi.id = 'a40C815FC0227' >
    <Model.ModelElement.name>varDeclaration</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.AssociationEnd.isNavigable xmi.value = "true"/>
    <Model.AssociationEnd.aggregation xmi.value = "none"/>
    <Model.AssociationEnd.multiplicity>
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    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB01CA'/'> <!-- MetaModelLfp.Behavioral Diagram.VarDeclaration -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.mainMediaTriggerDecla [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0238' >
  <Model.ModelElement.name>mainMediaTriggerDecla</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0239' >
      <Model.ModelElement.name>bDMainMediaDeclarations</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "shared"/>
      <Model.AssociationEnd.multiplicity>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB026A'/'> <!-- MetaModelLfp.Behavioral Diagram.BDMainMediaDeclarations -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC023B' >
      <Model.ModelElement.name>bDTriggerDeclaration</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB01E6'/'> <!-- MetaModelLfp.Behavioral Diagram.BDTriggerDeclaration -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>

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<!-- ===== MetaModelLfp.Behavioral Diagram.methodParameters [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC024C' >
  <Model.ModelElement.name>methodParameters</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC024D' >
      <Model.ModelElement.name>methParam</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
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        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC024F' >
      <Model.ModelElement.name>methCallParam</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
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        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0238' /> <!-- MetaModelLfp.Behavioral Diagram.MethodCall -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.receptionCtrlMsgDiscriminant [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0256' >
  <Model.ModelElement.name>receptionCtrlMsgDiscriminant</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0257' >
      <Model.ModelElement.name>expression</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
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        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC0261' >
      <Model.ModelElement.name>receptionControlMsg</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
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        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>

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        <Model.Classifier xmi.idref = 'a40C815FB024C' /> <!-- MetaModelLfp.Behavioral Diagram.ReceptionControlMsg -->
    </Model.TypedElement.type>
    </Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.sendMessageDiscriminant [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC026A' >
    <Model.ModelElement.name>sendMessageDiscriminant</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Association.isDerived xmi.value = "false"/>
    <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC026B' >
        <Model.ModelElement.name>sdMsgDiscr</Model.ModelElement.name>
        <Model.ModelElement.annotation></Model.ModelElement.annotation>
        <Model.AssociationEnd.isNavigable xmi.value = "true"/>
        <Model.AssociationEnd.aggregation xmi.value = "none"/>
        <Model.AssociationEnd.multiplicity>
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            <XMI.field>-1</XMI.field>
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            <XMI.field>>true</XMI.field>
        </Model.AssociationEnd.multiplicity>
        <Model.AssociationEnd.isChangeable xmi.value = "true"/>
        <Model.TypedElement.type>
            <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
        </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC026D' >
        <Model.ModelElement.name>sdDiscr</Model.ModelElement.name>
        <Model.ModelElement.annotation></Model.ModelElement.annotation>
        <Model.AssociationEnd.isNavigable xmi.value = "false"/>
        <Model.AssociationEnd.aggregation xmi.value = "none"/>
        <Model.AssociationEnd.multiplicity>
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            <XMI.field>>true</XMI.field>
        </Model.AssociationEnd.multiplicity>
        <Model.AssociationEnd.isChangeable xmi.value = "true"/>
        <Model.TypedElement.type>
            <Model.Classifier xmi.idref = 'a40C815FB0244' /> <!-- MetaModelLfp.Behavioral Diagram.SendMessage -->
        </Model.TypedElement.type>
    </Model.AssociationEnd>
    </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Behavioral Diagram.controlMsgDiscriminant [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC027E' >
    <Model.ModelElement.name>controlMsgDiscriminant</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Association.isDerived xmi.value = "false"/>
    <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC027F' >
        <Model.ModelElement.name>expression</Model.ModelElement.name>
        <Model.ModelElement.annotation></Model.ModelElement.annotation>
        <Model.AssociationEnd.isNavigable xmi.value = "true"/>
        <Model.AssociationEnd.aggregation xmi.value = "none"/>
        <Model.AssociationEnd.multiplicity>
            <XMI.field>1</XMI.field>
            <XMI.field>-1</XMI.field>
            <XMI.field>>false</XMI.field>
            <XMI.field>>true</XMI.field>
        </Model.AssociationEnd.multiplicity>
        <Model.AssociationEnd.isChangeable xmi.value = "true"/>
        <Model.TypedElement.type>
            <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
        </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC0281' >
        <Model.ModelElement.name>controlMsg</Model.ModelElement.name>
        <Model.ModelElement.annotation></Model.ModelElement.annotation>
        <Model.AssociationEnd.isNavigable xmi.value = "false"/>
        <Model.AssociationEnd.aggregation xmi.value = "none"/>
        <Model.AssociationEnd.multiplicity>
            <XMI.field>0</XMI.field>
            <XMI.field>-1</XMI.field>

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    <XMI.field>>false</XMI.field>
    <XMI.field>>true</XMI.field>
</Model.AssociationEnd.multiplicity>
<Model.AssociationEnd.isChangeable xmi.value = "true"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB0237' /> <!-- MetaModelLFP.Behavioral Diagram.ControlMsg -->
</Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLFP.Behavioral Diagram.message [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0288' >
  <Model.ModelElement.name>message</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0289' >
      <Model.ModelElement.name>sdMsgMsg</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC028B' >
      <Model.ModelElement.name>sdMsg</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0244' /> <!-- MetaModelLFP.Behavioral Diagram.SendMsg -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLFP.Behavioral Diagram.receptionMsgDiscriminant [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC029C' >
  <Model.ModelElement.name>receptionMsgDiscriminant</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC029D' >
      <Model.ModelElement.name>expression</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC029F' >
      <Model.ModelElement.name>receptionMsg</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>

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<Model.AssociationEnd.isNavigable xmi.value = "false"/>
<Model.AssociationEnd.aggregation xmi.value = "none"/>
<Model.AssociationEnd.multiplicity>
  <XMI.field>0</XMI.field>
  <XMI.field>-1</XMI.field>
  <XMI.field>>false</XMI.field>
  <XMI.field>>true</XMI.field>
</Model.AssociationEnd.multiplicity>
<Model.AssociationEnd.isChangeable xmi.value = "true"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB0255'/> <!-- MetaModellFp.Behavioral Diagram.ReceptionMsg -->
</Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModellFp.Behavioral Diagram.returnValue [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC02A6' >
  <Model.ModelElement.name>returnValue</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
<Model.Namespace.contents>
  <Model.AssociationEnd xmi.id = 'a40C815FC02A7' >
    <Model.ModelElement.name>expression</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.AssociationEnd.isNavigable xmi.value = "true"/>
    <Model.AssociationEnd.aggregation xmi.value = "none"/>
    <Model.AssociationEnd.multiplicity>
      <XMI.field>1</XMI.field>
      <XMI.field>-1</XMI.field>
      <XMI.field>>false</XMI.field>
      <XMI.field>>true</XMI.field>
    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB0328'/> <!-- MetaModellFp.DataTypes.Expression -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
  <Model.AssociationEnd xmi.id = 'a40C815FC02A9' >
    <Model.ModelElement.name>returnStatement</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.AssociationEnd.isNavigable xmi.value = "false"/>
    <Model.AssociationEnd.aggregation xmi.value = "none"/>
    <Model.AssociationEnd.multiplicity>
      <XMI.field>0</XMI.field>
      <XMI.field>-1</XMI.field>
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      <XMI.field>>true</XMI.field>
    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB0230'/> <!-- MetaModellFp.Behavioral Diagram.ReturnStatement -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModellFp.Behavioral Diagram.methodDiscriminant [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC02BA' >
  <Model.ModelElement.name>methodDiscriminant</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
<Model.Namespace.contents>
  <Model.AssociationEnd xmi.id = 'a40C815FC02BB' >
    <Model.ModelElement.name>methDiscr</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.AssociationEnd.isNavigable xmi.value = "true"/>
    <Model.AssociationEnd.aggregation xmi.value = "none"/>
    <Model.AssociationEnd.multiplicity>
      <XMI.field>1</XMI.field>
      <XMI.field>-1</XMI.field>
      <XMI.field>>false</XMI.field>
      <XMI.field>>true</XMI.field>
    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB0328'/> <!-- MetaModellFp.DataTypes.Expression -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
</Model.Namespace.contents>

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    </Model.TypedElement.type>
  </Model.AssociationEnd>
  <Model.AssociationEnd xmi.id = 'a40C815FC02BD' >
    <Model.ModelElement.name>methCallDiscr</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.AssociationEnd.isNavigable xmi.value = "false"/>
    <Model.AssociationEnd.aggregation xmi.value = "none"/>
    <Model.AssociationEnd.multiplicity>
      <XMI.field>0</XMI.field>
      <XMI.field>-1</XMI.field>
      <XMI.field>>false</XMI.field>
      <XMI.field>>true</XMI.field>
    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB0238' /> <!-- MetaModelLFP.Behavioral Diagram.MethodCall -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLFP.Behavioral Diagram.messages [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC02CE' >
  <Model.ModelElement.name>messages</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC02CF' >
      <Model.ModelElement.name>readMsg</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB024B' /> <!-- MetaModelLFP.Behavioral Diagram.ReadMsg -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC02D1' >
      <Model.ModelElement.name>messageCont</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0273' /> <!-- MetaModelLFP.Behavioral Diagram.MessageCont -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLFP.Behavioral Diagram.elseInstructions [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC02D8' >
  <Model.ModelElement.name>elseInstructions</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC02D9' >
      <Model.ModelElement.name>callElseInstr</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.AssociationEnd.multiplicity>
    </Model.AssociationEnd>
  </Model.Namespace.contents>

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        <XMI.field>true</XMI.field>
    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0219' /> <!-- MetaModellFp.Behavioral Diagram.IfInstruction -->
    </Model.TypedElement.type>
</Model.AssociationEnd>
<Model.AssociationEnd xmi.id = 'a40C815FC02DB' >
    <Model.ModelElement.name>elseInstr</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.AssociationEnd.isNavigable xmi.value = "true"/>
    <Model.AssociationEnd.aggregation xmi.value = "none"/>
    <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>true</XMI.field>
        <XMI.field>true</XMI.field>
    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB01BE' /> <!-- MetaModellFp.Behavioral Diagram.BDInstruction -->
    </Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
</Model.Namespace.contents>
</Model.Package>
<!-- ===== MetaModellFp.Architecture Diagram [Package] ===== -->
<Model.Package xmi.id = 'a40C815FB0287' >
    <Model.ModelElement.name>Architecture Diagram</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Namespace.contents>
        <!-- ===== MetaModellFp.Architecture Diagram.ADModelElement [Class] ===== -->
        <Model.Class xmi.id = 'a40C815FB0289' >
            <Model.ModelElement.name>ADMModelElement</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.GeneralizableElement.isRoot xmi.value = "false"/>
            <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
            <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
            <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
            <Model.Class.isSingleton xmi.value = "false"/>
            <Model.Namespace.contents>
                <!-- ===== MetaModellFp.Architecture Diagram.ADModelElement.identifier [Attribute] ===== -->
                <Model.Attribute xmi.id = 'a40C815FB028A' >
                    <Model.ModelElement.name>identifier</Model.ModelElement.name>
                    <Model.ModelElement.annotation></Model.ModelElement.annotation>
                    <Model.Feature.scope xmi.value = "instance_level"/>
                    <Model.Feature.visibility xmi.value = "public_vis"/>
                    <Model.StructuralFeature.multiplicity>
                        <XMI.field>1</XMI.field>
                        <XMI.field>1</XMI.field>
                        <XMI.field>>false</XMI.field>
                        <XMI.field>>false</XMI.field>
                    </Model.StructuralFeature.multiplicity>
                    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
                    <Model.Attribute.isDerived xmi.value = "false"/>
                    <Model.TypedElement.type>
                        <Model.Classifier xmi.idref = 'a40C815FB02C5' /> <!-- MetaModellFp.DataTypes.String -->
                    </Model.TypedElement.type>
                </Model.Attribute>
            </Model.Namespace.contents>
        </Model.Class>
    </Model.Namespace.contents>
    <!-- ===== MetaModellFp.Architecture Diagram.com.urep.jcr.transient=true [Tag] ===== -->
    <Model.Tag xmi.id = 'G,183' >
        <Model.ModelElement.name>com.urep.jcr.transient=true</Model.ModelElement.name>
        <Model.ModelElement.annotation></Model.ModelElement.annotation>
        <Model.Tag.tagId>com.urep.jcr.transient</Model.Tag.tagId>
        <Model.Tag.values>
            <XMI.any xmi.type = 'string' xmi.name = ''>true</XMI.any>
        </Model.Tag.values>
        <Model.Tag.elements>
            <Model.ModelElement xmi.idref = 'a40C815FB0289' /> <!-- MetaModellFp.Architecture Diagram.ADMModelElement -->
            <Model.ModelElement xmi.idref = 'a40C815FB028B' /> <!-- MetaModellFp.Architecture Diagram.ADCClass -->
            <Model.ModelElement xmi.idref = 'a40C815FB0291' /> <!-- MetaModellFp.Architecture Diagram.ADBinder -->
            <Model.ModelElement xmi.idref = 'a40C815FB029C' /> <!-- MetaModellFp.Architecture Diagram.ADMedia -->
            <Model.ModelElement xmi.idref = 'a40C815FB029D' /> <!-- MetaModellFp.Architecture Diagram.ADArc -->
            <Model.ModelElement xmi.idref = 'a40C815FB02A5' /> <!-- MetaModellFp.Architecture Diagram.ADStaticInstance -->
            <Model.ModelElement xmi.idref = 'a40C815FB02AF' /> <!-- MetaModellFp.Architecture Diagram.ArchitectureDiagram -->
            <Model.ModelElement xmi.idref = 'a40C815FB02B1' /> <!-- MetaModellFp.Architecture Diagram.ClassVar -->
        </Model.Tag.elements>
    </Model.Tag>
</Model.Package>

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    <Model.ModelElement xmi.idref = 'a40C815FB02BA' /> <!-- MetaModelLfp.Architecture Diagram.ADPort -->
  </Model.Tag.elements>
</Model.Tag>
<!-- ===== MetaModelLfp.Architecture Diagram.ADClass [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB028B' >
  <Model.ModelElement.name>ADClass</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0289' /> <!-- MetaModelLfp.Architecture Diagram.ADModelElement -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Architecture Diagram.ADBinder [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0291' >
  <Model.ModelElement.name>ADBinder</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0289' /> <!-- MetaModelLfp.Architecture Diagram.ADModelElement -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLfp.Architecture Diagram.ADBinder.multiplicity [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB0292' >
      <Model.ModelElement.name>multiplicity</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02C5' /> <!-- MetaModelLfp.DataTypes.String -->
      </Model.TypedElement.type>
    </Model.Attribute>
    <!-- ===== MetaModelLfp.Architecture Diagram.ADBinder.ordering [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB0293' >
      <Model.ModelElement.name>ordering</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02C5' /> <!-- MetaModelLfp.DataTypes.String -->
      </Model.TypedElement.type>
    </Model.Attribute>
    <!-- ===== MetaModelLfp.Architecture Diagram.ADBinder.capacity [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB0294' >
      <Model.ModelElement.name>capacity</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02C7' /> <!-- MetaModelLfp.DataTypes.Inte -->
      </Model.TypedElement.type>
    </Model.Attribute>

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<!-- ===== MetaModellFp.Architecture Diagram.ADBinder.isSynchronous [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB029B' >
<Model.ModelElement.name>isSynchronous</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
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</Model.StructuralFeature.multiplicity>
<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
<Model.Classifier xmi.idref = 'a40C815FB02CD'/> <!-- MetaModellFp.DataTypes.Boolean -->
</Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModellFp.Architecture Diagram.ADMedia [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB029C' >
<Model.ModelElement.name>ADMedia</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.GeneralizableElement.supertypes>
<Model.GeneralizableElement xmi.idref = 'a40C815FB0289'/> <!-- MetaModellFp.Architecture Diagram.ADModelElement -->
</Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModellFp.Architecture Diagram.ADArc [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB029D' >
<Model.ModelElement.name>ADArc</Model.ModelElement.name>
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<!-- ===== MetaModellFp.Architecture Diagram.ADArc.isBidirectional [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB029E' >
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<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
<Model.Classifier xmi.idref = 'a40C815FB02CD'/> <!-- MetaModellFp.DataTypes.Boolean -->
</Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModellFp.Architecture Diagram.ADStaticInstance [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02A5' >
<Model.ModelElement.name>ADStaticInstance</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
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<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.Namespace.contents>
<!-- ===== MetaModellFp.Architecture Diagram.ADStaticInstance.varName [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB02A6' >
<Model.ModelElement.name>varName</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
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    <XMI.field>>false</XMI.field>
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  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB02CF'/> <!-- MetaModelLFP.DataTypes.Identifier -->
  </Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLFP.Architecture Diagram.ADStaticInstance.type [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB02A7' >
  <Model.ModelElement.name>type</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
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  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB03B5'/> <!-- MetaModelLFP.Types.TypeDescriptor -->
  </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Architecture Diagram.ArchitectureDiagram [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02AF' >
  <Model.ModelElement.name>ArchitectureDiagram</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Architecture Diagram.ArchitectureDiagram.diagName [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB02B0' >
      <Model.ModelElement.name>diagName</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
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      <Model.Feature.visibility xmi.value = "public_vis"/>
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      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02C5'/> <!-- MetaModelLFP.DataTypes.String -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Architecture Diagram.ClassVar [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02B1' >
  <Model.ModelElement.name>ClassVar</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Architecture Diagram.ClassVar.varName [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB02B2' >
      <Model.ModelElement.name>varName</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
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      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>

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        <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLfp.DataTypes.Identifier -->
    </Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLfp.Architecture Diagram.ClassVar.value [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB02B9' >
    <Model.ModelElement.name>value</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
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    <Model.Feature.visibility xmi.value = "public_vis" />
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    <Model.StructuralFeature.isChangeable xmi.value = "true" />
    <Model.Attribute.isDerived xmi.value = "false" />
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
    </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Architecture Diagram.ADPort [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02BA' >
    <Model.ModelElement.name>ADPort</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false" />
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    <Model.Class.isSingleton xmi.value = "false" />
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB0289' /> <!-- MetaModelLfp.Architecture Diagram.ADModelElement -->
    </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Architecture Diagram.arcClass [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0301' >
    <Model.ModelElement.name>arcClass</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true" />
    <Model.GeneralizableElement.isLeaf xmi.value = "true" />
    <Model.GeneralizableElement.isAbstract xmi.value = "false" />
    <Model.GeneralizableElement.visibility xmi.value = "public_vis" />
    <Model.Association.isDerived xmi.value = "false" />
    <Model.Namespace.contents>
        <Model.AssociationEnd xmi.id = 'a40C815FC0302' >
            <Model.ModelElement.name>aDClass</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true" />
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            <Model.AssociationEnd.isChangeable xmi.value = "true" />
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB028B' /> <!-- MetaModelLfp.Architecture Diagram.ADClass -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
        <Model.AssociationEnd xmi.id = 'a40C815FC030A' >
            <Model.ModelElement.name>aDArc</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true" />
            <Model.AssociationEnd.aggregation xmi.value = "none" />
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            <Model.AssociationEnd.isChangeable xmi.value = "true" />
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB029D' /> <!-- MetaModelLfp.Architecture Diagram.ADArc -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
    </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Architecture Diagram.arcBinder [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0314' >
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<Model.ModelElement.annotation></Model.ModelElement.annotation>
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<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
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<Model.Namespace.contents>
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    <Model.ModelElement.name>aDBinder</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
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    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB0291' /> <!-- MetaModelLfp.Architecture Diagram.ADBinder -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
  <Model.AssociationEnd xmi.id = 'a40C815FC0317' >
    <Model.ModelElement.name>aDArc</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
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    </Model.TypedElement.type>
  </Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Architecture Diagram.arcMedia [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0328' >
  <Model.ModelElement.name>arcMedia</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
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  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0329' >
      <Model.ModelElement.name>aDMedia</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
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      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB029C' /> <!-- MetaModelLfp.Architecture Diagram.ADMedia -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC032B' >
      <Model.ModelElement.name>aDArc</Model.ModelElement.name>
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        <Model.Classifier xmi.idref = 'a40C815FB029D' /> <!-- MetaModelLfp.Architecture Diagram.ADArc -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>

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</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Architecture Diagram.classBinder [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0332' >
  <Model.ModelElement.name>classBinder</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
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  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0333' >
      <Model.ModelElement.name>aDClass</Model.ModelElement.name>
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      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
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      </Model.TypedElement.type>
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    <Model.AssociationEnd xmi.id = 'a40C815FC033D' >
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      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
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      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0291' /> <!-- MetaModelLfp.Architecture Diagram.ADBinder -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Architecture Diagram.mediaBinder [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0346' >
  <Model.ModelElement.name>mediaBinder</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
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  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0347' >
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
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        <Model.Classifier xmi.idref = 'a40C815FB0291' /> <!-- MetaModelLfp.Architecture Diagram.ADBinder -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC0349' >
      <Model.ModelElement.name>aDMedia</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
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  </Model.Namespace.contents>
</Model.Association>

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    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB029C' /> <!-- MetaModelLFP.Architecture Diagram.ADMedia -->
    </Model.TypedElement.type>
  </Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLFP.Architecture Diagram.classVariables [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC035A' >
  <Model.ModelElement.name>classVariables</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC035B' >
      <Model.ModelElement.name>aDStaticInstance</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
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        <Model.Classifier xmi.idref = 'a40C815FB02A5' /> <!-- MetaModelLFP.Architecture Diagram.ADStaticInstance -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC035D' >
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      <Model.AssociationEnd.aggregation xmi.value = "none"/>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02B1' /> <!-- MetaModelLFP.Architecture Diagram.ClassVar -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLFP.Architecture Diagram.portClass [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0364' >
  <Model.ModelElement.name>portClass</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC0365' >
      <Model.ModelElement.name>aDClass</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
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        <XMI.field>-1</XMI.field>
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      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB028B' /> <!-- MetaModelLFP.Architecture Diagram.ADClass -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC036F' >
      <Model.ModelElement.name>aDPort</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
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        <XMI.field>1</XMI.field>
        <XMI.field>-1</XMI.field>
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    </Model.AssociationEnd.multiplicity>
    <Model.AssociationEnd.isChangeable xmi.value = "true"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02BA' /> <!-- MetaModelLfp.Architecture Diagram.ADPort -->
    </Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Architecture Diagram.portMedia [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC0378' >
    <Model.ModelElement.name>portMedia</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Association.isDerived xmi.value = "false"/>
    <Model.Namespace.contents>
        <Model.AssociationEnd xmi.id = 'a40C815FC0379' >
            <Model.ModelElement.name>aDMedia</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "false"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
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            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB029C' /> <!-- MetaModelLfp.Architecture Diagram.ADMedia -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
        <Model.AssociationEnd xmi.id = 'a40C815FC037B' >
            <Model.ModelElement.name>aDPort</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
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            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB02BA' /> <!-- MetaModelLfp.Architecture Diagram.ADPort -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
    </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Architecture Diagram.archiModelElem [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC038D' >
    <Model.ModelElement.name>archiModelElem</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Association.isDerived xmi.value = "false"/>
    <Model.Namespace.contents>
        <Model.AssociationEnd xmi.id = 'a40C815FC038E' >
            <Model.ModelElement.name>architectureDiagram</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true"/>
            <Model.AssociationEnd.aggregation xmi.value = "shared"/>
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            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB02AF' /> <!-- MetaModelLfp.Architecture Diagram.ArchitectureDiagram -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
    </Model.Namespace.contents>
</Model.AssociationEnd xmi.id = 'a40C815FC0390' >

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<Model.ModelElement.name>aDModelElement</Model.ModelElement.name>
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<Model.AssociationEnd.aggregation xmi.value = "none"/>
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</Model.AssociationEnd.multiplicity>
<Model.AssociationEnd.isChangeable xmi.value = "true"/>
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  <Model.Classifier xmi.idref = 'a40C815FB0289' /> <!-- MetaModelLFP.Architecture Diagram.ADModelElement -->
</Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLFP.Architecture Diagram.archiStaticInstan [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC03A1' >
  <Model.ModelElement.name>archiStaticInstan</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC03A2' >
      <Model.ModelElement.name>architectureDiagram</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
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      <Model.AssociationEnd.aggregation xmi.value = "shared"/>
      <Model.AssociationEnd.multiplicity>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02AF' /> <!-- MetaModelLFP.Architecture Diagram.ArchitectureDiagram -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC03A4' >
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      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02A5' /> <!-- MetaModelLFP.Architecture Diagram.ADStaticInstance -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLFP.Architecture Diagram.portBinder [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC03B5' >
  <Model.ModelElement.name>portBinder</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC03B6' >
      <Model.ModelElement.name>aDBinder</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
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        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
  </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>

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<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB0291' /> <!-- MetaModellLfp.Architecture Diagram.ADBinder -->
</Model.TypedElement.type>
</Model.AssociationEnd>
<Model.AssociationEnd xmi.id = 'a40C815FC03B8' >
  <Model.ModelElement.name>adPort</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.AssociationEnd.isNavigable xmi.value = "true"/>
  <Model.AssociationEnd.aggregation xmi.value = "none"/>
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  </Model.AssociationEnd.multiplicity>
  <Model.AssociationEnd.isChangeable xmi.value = "true"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB02BA' /> <!-- MetaModellLfp.Architecture Diagram.ADPort -->
  </Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModellLfp.Architecture Diagram.archiDecla [Association] ===== -->
<Model.Association xmi.id = 'a40C815FC03C9' >
  <Model.ModelElement.name>archiDecla</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
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  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FC03CA' >
      <Model.ModelElement.name>adDeclarations</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB020F' /> <!-- MetaModellLfp.Behavioral Diagram.TypeVarConstDeclarations -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FC03CC' >
      <Model.ModelElement.name>architectureDiagram</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "shared"/>
      <Model.AssociationEnd.multiplicity>
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      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02AF' /> <!-- MetaModellLfp.Architecture Diagram.ArchitectureDiagram -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
</Model.Namespace.contents>
</Model.Package>
<!-- ===== MetaModellLfp.DataTypes [Package] ===== -->
<Model.Package xmi.id = 'a40C815FB02C3' >
  <Model.ModelElement.name>DataTypes</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Namespace.contents>
    <!-- ===== MetaModellLfp.DataTypes.String [DataType] ===== -->
    <Model.DataType xmi.id = 'a40C815FB02C5' >
      <Model.ModelElement.name>String</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.GeneralizableElement.isRoot xmi.value = "true"/>
      <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
    </Model.DataType>
  </Model.Namespace.contents>

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<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.DataType.typeCode>
  <XMI.CorbaTypeCode>
    <XMI.CorbaTcString xmi.tcLength = '0' />
  </XMI.CorbaTypeCode>
</Model.DataType.typeCode>
</Model.DataType>
<!-- ===== MetaModelLfp.DataTypes.com.urep.jcr.transient=true [Tag] ===== -->
<Model.Tag xmi.id = 'G.184' >
  <Model.ModelElement.name>com.urep.jcr.transient=true</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Tag.tagId>com.urep.jcr.transient</Model.Tag.tagId>
  <Model.Tag.values>
    <XMI.any xmi.type = 'string' xmi.name = ''>true</XMI.any>
  </Model.Tag.values>
  <Model.Tag.elements>
    <Model.ModelElement xmi.idref = 'a40C815FB02C5' /> <!-- MetaModelLfp.DataTypes.String -->
    <Model.ModelElement xmi.idref = 'a40C815FB02C7' /> <!-- MetaModelLfp.DataTypes.Inte -->
    <Model.ModelElement xmi.idref = 'a40C815FB02CD' /> <!-- MetaModelLfp.DataTypes.Boolean -->
    <Model.ModelElement xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLfp.DataTypes.Identifier -->
    <Model.ModelElement xmi.idref = 'a40C815FB02D1' /> <!-- MetaModelLfp.DataTypes.ParamMode -->
    <Model.ModelElement xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLfp.DataTypes.ExprVar -->
    <Model.ModelElement xmi.idref = 'a40C815FB02D8' /> <!-- MetaModelLfp.DataTypes.UnaryOperators -->
    <Model.ModelElement xmi.idref = 'a40C815FB02D9' /> <!-- MetaModelLfp.DataTypes.BinaryExp -->
    <Model.ModelElement xmi.idref = 'a40C815FB02E3' /> <!-- MetaModelLfp.DataTypes.UnaryOpArithmetic -->
    <Model.ModelElement xmi.idref = 'a40C815FB02EC' /> <!-- MetaModelLfp.DataTypes.ParanthesisExp -->
    <Model.ModelElement xmi.idref = 'a40C815FB02EE' /> <!-- MetaModelLfp.DataTypes.UnaryExp -->
    <Model.ModelElement xmi.idref = 'a40C815FB02F6' /> <!-- MetaModelLfp.DataTypes.BinaryOpArithmetic -->
    <Model.ModelElement xmi.idref = 'a40C815FB02F8' /> <!-- MetaModelLfp.DataTypes.SetsRecordValuesExp -->
    <Model.ModelElement xmi.idref = 'a40C815FB02FF' /> <!-- MetaModelLfp.DataTypes.FieldExp -->
    <Model.ModelElement xmi.idref = 'a40C815FB0309' /> <!-- MetaModelLfp.DataTypes.SetsSetValuesExp -->
    <Model.ModelElement xmi.idref = 'a40C815FB030A' /> <!-- MetaModelLfp.DataTypes.FieldAccessExp -->
    <Model.ModelElement xmi.idref = 'a40C815FB0314' /> <!-- MetaModelLfp.DataTypes.DerefExp -->
    <Model.ModelElement xmi.idref = 'a40C815FB031E' /> <!-- MetaModelLfp.DataTypes.ArrayAccessExp -->
    <Model.ModelElement xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
    <Model.ModelElement xmi.idref = 'a40C815FB0329' /> <!-- MetaModelLfp.DataTypes.SetCardinality -->
    <Model.ModelElement xmi.idref = 'a40C815FB0332' /> <!-- MetaModelLfp.DataTypes.InitArray -->
    <Model.ModelElement xmi.idref = 'a40C815FB033B' /> <!-- MetaModelLfp.DataTypes.BinaryOperators -->
    <Model.ModelElement xmi.idref = 'a40C815FB033C' /> <!-- MetaModelLfp.DataTypes.BinaryOpSets -->
    <Model.ModelElement xmi.idref = 'a40C815FB033E' /> <!-- MetaModelLfp.DataTypes.BinaryOpLogic -->
    <Model.ModelElement xmi.idref = 'a40C815FB0345' /> <!-- MetaModelLfp.DataTypes.UnaryOpLogic -->
    <Model.ModelElement xmi.idref = 'a40C815FB0347' /> <!-- MetaModelLfp.DataTypes.UnaryOpSets -->
  </Model.Tag.elements>
</Model.Tag>
<!-- ===== MetaModelLfp.DataTypes.Inte [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02C7' >
  <Model.ModelElement.name>Inte</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.DataTypes.Boolean [DataType] ===== -->
<Model.DataType xmi.id = 'a40C815FB02CD' >
  <Model.ModelElement.name>Boolean</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.DataType.typeCode>
    <XMI.CorbaTypeCode>
      <XMI.CorbaTcBoolean />
    </XMI.CorbaTypeCode>
  </Model.DataType.typeCode>
</Model.DataType>
<!-- ===== MetaModelLfp.DataTypes.Identifier [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02CF' >
  <Model.ModelElement.name>Identifier</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLfp.DataTypes.ExprVar -->
  </Model.GeneralizableElement.supertypes>

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</Model.GeneralizableElement.supertypes>
<Model.Namespace.contents>
<!-- ===== MetaModelLfp.DataTypes.Identifier.value [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB02D0' >
<Model.ModelElement.name>value</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>
<XMI.field>l</XMI.field>
<XMI.field>l</XMI.field>
<XMI.field>>false</XMI.field>
<XMI.field>>false</XMI.field>
</Model.StructuralFeature.multiplicity>
<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
<Model.Classifier xmi.idref = 'a40C815FB02C5'/> <!-- MetaModelLfp.DataTypes.String -->
</Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.DataTypes.ParamMode [DataType] ===== -->
<Model.DataType xmi.id = 'a40C815FB02D1' >
<Model.ModelElement.name>ParamMode</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "true"/>
<Model.GeneralizableElement.isLeaf xmi.value = "true"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
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</XMI.CorbaTypeEnum>
</XMI.CorbaTypeEnum>
</Model.DataType.typeCode>
</Model.DataType>
<!-- ===== MetaModelLfp.DataTypes.ExprVar [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02D7' >
<Model.ModelElement.name>ExprVar</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.GeneralizableElement.supertypes>
<Model.GeneralizableElement xmi.idref = 'a40C815FB0328'/> <!-- MetaModelLfp.DataTypes.Expression -->
</Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.DataTypes.UnaryOperators [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02D8' >
<Model.ModelElement.name>UnaryOperators</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "true"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
</Model.Class>
<!-- ===== MetaModelLfp.DataTypes.BinaryExp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02D9' >
<Model.ModelElement.name>BinaryExp</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.GeneralizableElement.supertypes>
<Model.GeneralizableElement xmi.idref = 'a40C815FB0328'/> <!-- MetaModelLfp.DataTypes.Expression -->
</Model.GeneralizableElement.supertypes>
<Model.Namespace.contents>
<!-- ===== MetaModelLfp.DataTypes.BinaryExp.op [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB02DA' >
<Model.ModelElement.name>op</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>

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    <XMI.field>1</XMI.field>
    <XMI.field>1</XMI.field>
    <XMI.field>>false</XMI.field>
    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB02D8' /> <!-- MetaModelLFP.DataTypes.UnaryOperators -->
  </Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLFP.DataTypes.BinaryExp.rightExp [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB02E1' >
  <Model.ModelElement.name>rightExp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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    <XMI.field>1</XMI.field>
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    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
  </Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLFP.DataTypes.BinaryExp.leftExp [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB02E2' >
  <Model.ModelElement.name>leftExp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
    <XMI.field>1</XMI.field>
    <XMI.field>1</XMI.field>
    <XMI.field>>false</XMI.field>
    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
  </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.DataTypes.UnaryOpArithmetic [DataType] ===== -->
<Model.DataType xmi.id = 'a40C815FB02E3' >
  <Model.ModelElement.name>UnaryOpArithmetic</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.DataType.typeCode>
    <XMI.CorbaTypeCode>
      <XMI.CorbaTcEnum xmi.tcName = 'UnaryOpArithmetic'>
        <XMI.CorbaTcEnumLabel xmi.tcName = 'minus' />
      </XMI.CorbaTcEnum>
    </XMI.CorbaTypeCode>
  </Model.DataType.typeCode>
</Model.DataType>
<!-- ===== MetaModelLFP.DataTypes.ParenthesisExp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02EC' >
  <Model.ModelElement.name>ParenthesisExp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
  </Model.GeneralizableElement.supertypes>
</Model.Namespace.contents>
<!-- ===== MetaModelLFP.DataTypes.ParenthesisExp.exp [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB02ED' >
  <Model.ModelElement.name>exp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
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<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>
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  <XMI.field>>false</XMI.field>
</Model.StructuralFeature.multiplicity>
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<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB0328'/> <!-- MetaModelLfp.DataTypes.Expression -->
</Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.DataTypes.UnaryExp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02EE' >
<Model.ModelElement.name>UnaryExp</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.GeneralizableElement.supertypes>
  <Model.GeneralizableElement xmi.idref = 'a40C815FB0328'/> <!-- MetaModelLfp.DataTypes.Expression -->
</Model.GeneralizableElement.supertypes>
<Model.Namespace.contents>
  <!-- ===== MetaModelLfp.DataTypes.UnaryExp.op [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB02EF' >
    <Model.ModelElement.name>op</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
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      <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB033B'/> <!-- MetaModelLfp.DataTypes.BinaryOperators -->
    </Model.TypedElement.type>
  </Model.Attribute>
  <!-- ===== MetaModelLfp.DataTypes.UnaryExp.exp [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB02F5' >
    <Model.ModelElement.name>exp</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
      <XMI.field>1</XMI.field>
      <XMI.field>1</XMI.field>
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      <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB0328'/> <!-- MetaModelLfp.DataTypes.Expression -->
    </Model.TypedElement.type>
  </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.DataTypes.BinaryOpArithmetic [DataType] ===== -->
<Model.DataType xmi.id = 'a40C815FB02F6' >
<Model.ModelElement.name>BinaryOpArithmetic</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "true"/>
<Model.GeneralizableElement.isLeaf xmi.value = "true"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.DataType.typeCode>
  <XMI.CorbaTypeCode>
    <XMI.CorbaTypeEnum xmi.tcName = 'BinaryOpArithmetic'>
      <XMI.CorbaTypeEnumLabel xmi.tcName = 'less' />
      <XMI.CorbaTypeEnumLabel xmi.tcName = 'lessOrEquals' />
      <XMI.CorbaTypeEnumLabel xmi.tcName = 'greater' />
      <XMI.CorbaTypeEnumLabel xmi.tcName = 'moreOrEquals' />
      <XMI.CorbaTypeEnumLabel xmi.tcName = 'equals' />
      <XMI.CorbaTypeEnumLabel xmi.tcName = 'plus' />

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        <XMI.CorbaTypeEnumLabel xmi.tcName = 'minus' />
        <XMI.CorbaTypeEnumLabel xmi.tcName = 'times' />
        <XMI.CorbaTypeEnumLabel xmi.tcName = 'quotient' />
    </XMI.CorbaTypeEnum>
    </XMI.CorbaTypeCode>
</Model.DataType.typeCode>
</Model.DataType>
<!-- ===== MetaModelLFP.DataTypes.SetsRecordValuesExp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02F8' >
    <Model.ModelElement.name>SetsRecordValuesExp</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
    </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLFP.DataTypes.FieldExp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB02FF' >
    <Model.ModelElement.name>FieldExp</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.Namespace.contents>
        <!-- ===== MetaModelLFP.DataTypes.FieldExp.fieldName [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB0300' >
            <Model.ModelElement.name>fieldName</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
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                <XMI.field>1</XMI.field>
                <XMI.field>>false</XMI.field>
                <XMI.field>>false</XMI.field>
            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLFP.DataTypes.Identifier -->
            </Model.TypedElement.type>
        </Model.Attribute>
        <!-- ===== MetaModelLFP.DataTypes.FieldExp.value [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB0301' >
            <Model.ModelElement.name>value</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
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                <XMI.field>>false</XMI.field>
            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
            </Model.TypedElement.type>
        </Model.Attribute>
    </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.DataTypes.SetsSetValuesExp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0309' >
    <Model.ModelElement.name>SetsSetValuesExp</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
    </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLFP.DataTypes.FieldAccessExp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB030A' >

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<Model.ModelElement.name>FieldAccessExp</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.GeneralizableElement.supertypes>
  <Model.GeneralizableElement xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
</Model.GeneralizableElement.supertypes>
<Model.Namespace.contents>
  <!-- ===== MetaModelLfp.DataTypes.FieldAccessExp.type [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB030B' >
    <Model.ModelElement.name>type</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
      <XMI.field>1</XMI.field>
      <XMI.field>1</XMI.field>
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      <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB03B5' /> <!-- MetaModelLfp.Types.TypeDescriptor -->
    </Model.TypedElement.type>
  </Model.Attribute>
  <!-- ===== MetaModelLfp.DataTypes.FieldAccessExp.attribute [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB030C' >
    <Model.ModelElement.name>attribute</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
      <XMI.field>1</XMI.field>
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    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLfp.DataTypes.Identifier -->
    </Model.TypedElement.type>
  </Model.Attribute>
  <!-- ===== MetaModelLfp.DataTypes.FieldAccessExp.expression [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB0313' >
    <Model.ModelElement.name>expression</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
      <XMI.field>1</XMI.field>
      <XMI.field>1</XMI.field>
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      <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
    </Model.TypedElement.type>
  </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.DataTypes.DerefExp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0314' >
  <Model.ModelElement.name>DerefExp</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLfp.DataTypes.ExprVar -->
  </Model.GeneralizableElement.supertypes>
<Model.Namespace.contents>
  <!-- ===== MetaModelLfp.DataTypes.DerefExp.recordOrClassName [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB0315' >
    <Model.ModelElement.name>recordOrClassName</Model.ModelElement.name>

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<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>
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</Model.StructuralFeature.multiplicity>
<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLFP.DataTypes.ExprVar -->
</Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLFP.DataTypes.DerefExp.fieldOrBinder [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB031D' >
<Model.ModelElement.name>fieldOrBinder</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>
  <XMI.field>1</XMI.field>
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<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLFP.DataTypes.Identifier -->
</Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.DataTypes.ArrayAccessExp [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB031E' >
<Model.ModelElement.name>ArrayAccessExp</Model.ModelElement.name>
<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.GeneralizableElement.isRoot xmi.value = "false"/>
<Model.GeneralizableElement.isLeaf xmi.value = "false"/>
<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.Class.isSingleton xmi.value = "false"/>
<Model.GeneralizableElement.supertypes>
  <Model.GeneralizableElement xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLFP.DataTypes.ExprVar -->
</Model.GeneralizableElement.supertypes>
<Model.Namespace.contents>
  <!-- ===== MetaModelLFP.DataTypes.ArrayAccessExp.arrayName [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB031F' >
  <Model.ModelElement.name>arrayName</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
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  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLFP.DataTypes.ExprVar -->
  </Model.TypedElement.type>
  </Model.Attribute>
  <!-- ===== MetaModelLFP.DataTypes.ArrayAccessExp.index [Attribute] ===== -->
  <Model.Attribute xmi.id = 'a40C815FB0327' >
  <Model.ModelElement.name>index</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
    <XMI.field>1</XMI.field>
    <XMI.field>1</XMI.field>
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    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>
    <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
  </Model.TypedElement.type>

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        </Model.Attribute>
    </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.DataTypes.Expression [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0328' >
    <Model.ModelElement.name>Expression</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
</Model.Class>
<!-- ===== MetaModelLfp.DataTypes.SetCardinality [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0329' >
    <Model.ModelElement.name>SetCardinality</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
    </Model.GeneralizableElement.supertypes>
</Model.Namespace.contents>
<!-- ===== MetaModelLfp.DataTypes.SetCardinality.setName [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB032A' >
    <Model.ModelElement.name>setName</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLfp.DataTypes.Identifier -->
    </Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModelLfp.DataTypes.SetCardinality.valueName [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0331' >
    <Model.ModelElement.name>valueName</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModelLfp.DataTypes.Identifier -->
    </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.DataTypes.InitArray [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0332' >
    <Model.ModelElement.name>InitArray</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLfp.DataTypes.Expression -->
    </Model.GeneralizableElement.supertypes>
</Model.Namespace.contents>
<!-- ===== MetaModelLfp.DataTypes.InitArray.value [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0333' >
    <Model.ModelElement.name>value</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>

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<Model.StructuralFeature.multiplicity>
  <XMI.field>1</XMI.field>
  <XMI.field>1</XMI.field>
  <XMI.field>>false</XMI.field>
  <XMI.field>>false</XMI.field>
</Model.StructuralFeature.multiplicity>
<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
</Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.DataTypes.BinaryOperators [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB033B' >
  <Model.ModelElement.name>BinaryOperators</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
</Model.Class>
<!-- ===== MetaModelLFP.DataTypes.BinaryOpSets [DataType] ===== -->
<Model.DataType xmi.id = 'a40C815FB033C' >
  <Model.ModelElement.name>BinaryOpSets</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.DataType.typeCode>
    <XMI.CorbaTypeCode>
      <XMI.CorbaTypeEnum xmi.tcName = 'BinaryOpSets'>
        <XMI.CorbaTypeEnumLabel xmi.tcName = 'inclusion' />
        <XMI.CorbaTypeEnumLabel xmi.tcName = 'weakInclusion' />
        <XMI.CorbaTypeEnumLabel xmi.tcName = 'equals' />
        <XMI.CorbaTypeEnumLabel xmi.tcName = 'union' />
        <XMI.CorbaTypeEnumLabel xmi.tcName = 'intersection' />
      </XMI.CorbaTypeEnum>
    </XMI.CorbaTypeCode>
  </Model.DataType.typeCode>
</Model.DataType>
<!-- ===== MetaModelLFP.DataTypes.BinaryOpLogic [DataType] ===== -->
<Model.DataType xmi.id = 'a40C815FB033E' >
  <Model.ModelElement.name>BinaryOpLogic</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.DataType.typeCode>
    <XMI.CorbaTypeCode>
      <XMI.CorbaTypeEnum xmi.tcName = 'BinaryOpLogic'>
        <XMI.CorbaTypeEnumLabel xmi.tcName = 'or' />
        <XMI.CorbaTypeEnumLabel xmi.tcName = 'and' />
      </XMI.CorbaTypeEnum>
    </XMI.CorbaTypeCode>
  </Model.DataType.typeCode>
</Model.DataType>
<!-- ===== MetaModelLFP.DataTypes.UnaryOpLogic [DataType] ===== -->
<Model.DataType xmi.id = 'a40C815FB0345' >
  <Model.ModelElement.name>UnaryOpLogic</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.DataType.typeCode>
    <XMI.CorbaTypeCode>
      <XMI.CorbaTypeEnum xmi.tcName = 'UnaryOpLogic'>
        <XMI.CorbaTypeEnumLabel xmi.tcName = 'not' />
      </XMI.CorbaTypeEnum>
    </XMI.CorbaTypeCode>
  </Model.DataType.typeCode>
</Model.DataType>
<!-- ===== MetaModelLFP.DataTypes.UnaryOpSets [DataType] ===== -->
<Model.DataType xmi.id = 'a40C815FB0347' >
  <Model.ModelElement.name>UnaryOpSets</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>

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<Model.GeneralizableElement.isAbstract xmi.value = "false"/>
<Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
<Model.DataType.typeCode>
  <XMI.CorbaTypeCode>
    <XMI.CorbaTypeEnum xmi.tcName = 'UnaryOpSets'>
      <XMI.CorbaTypeEnumLabel xmi.tcName = 'randomAccess' />
    </XMI.CorbaTypeEnum>
  </XMI.CorbaTypeCode>
</Model.DataType.typeCode>
</Model.DataType>
<!-- ===== MetaModelLfP.DataTypes.recordAccess [Association] ===== -->
<Model.Association xmi.id = 'a40C815FD0031' >
  <Model.ModelElement.name>recordAccess</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FD0032' >
      <Model.ModelElement.name>setsRecordValuesExp</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02F8' /> <!-- MetaModelLfP.DataTypes.SetsRecordValuesExp -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FD0034' >
      <Model.ModelElement.name>fieldExp</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "true"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02FF' /> <!-- MetaModelLfP.DataTypes.FieldExp -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
  </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfP.DataTypes.setValues [Association] ===== -->
<Model.Association xmi.id = 'a40C815FD0059' >
  <Model.ModelElement.name>setValues</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "true"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Association.isDerived xmi.value = "false"/>
  <Model.Namespace.contents>
    <Model.AssociationEnd xmi.id = 'a40C815FD005A' >
      <Model.ModelElement.name>setsSetValuesExp</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.AssociationEnd.isNavigable xmi.value = "false"/>
      <Model.AssociationEnd.aggregation xmi.value = "none"/>
      <Model.AssociationEnd.multiplicity>
        <XMI.field>0</XMI.field>
        <XMI.field>-1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>true</XMI.field>
      </Model.AssociationEnd.multiplicity>
      <Model.AssociationEnd.isChangeable xmi.value = "true"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB0309' /> <!-- MetaModelLfP.DataTypes.SetsSetValuesExp -->
      </Model.TypedElement.type>
    </Model.AssociationEnd>
    <Model.AssociationEnd xmi.id = 'a40C815FD005C' >
      <Model.ModelElement.name>expression</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>

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<Model.AssociationEnd.isNavigable xmi.value = "true"/>
<Model.AssociationEnd.aggregation xmi.value = "none"/>
<Model.AssociationEnd.multiplicity>
  <XMI.field>1</XMI.field>
  <XMI.field>-1</XMI.field>
  <XMI.field>>false</XMI.field>
  <XMI.field>>true</XMI.field>
</Model.AssociationEnd.multiplicity>
<Model.AssociationEnd.isChangeable xmi.value = "true"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB0328' /> <!-- MetaModelLFP.DataTypes.Expression -->
</Model.TypedElement.type>
</Model.AssociationEnd>
</Model.Namespace.contents>
</Model.Association>
</Model.Namespace.contents>
</Model.Package>
<!-- ===== MetaModelLFP.Types [Package] ===== -->
<Model.Package xmi.id = 'a40C815FB0349' >
  <Model.ModelElement.name>Types</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Types.Types [Class] ===== -->
    <Model.Class xmi.id = 'a40C815FB034F' >
      <Model.ModelElement.name>Types</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.GeneralizableElement.isRoot xmi.value = "false"/>
      <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
      <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
      <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
      <Model.Class.isSingleton xmi.value = "false"/>
    </Model.Class>
    <!-- ===== MetaModelLFP.Types.com.urep.jcr.transient=true [Tag] ===== -->
    <Model.Tag xmi.id = 'G.185' >
      <Model.ModelElement.name>com.urep.jcr.transient</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Tag.tagId>com.urep.jcr.transient</Model.Tag.tagId>
      <Model.Tag.values>
        <XMI.any xmi.type = 'string' xmi.name = ''>true</XMI.any>
      </Model.Tag.values>
      <Model.Tag.elements>
        <Model.ModelElement xmi.idref = 'a40C815FB034F' /> <!-- MetaModelLFP.Types.Types -->
        <Model.ModelElement xmi.idref = 'a40C815FB0350' /> <!-- MetaModelLFP.Types.Semaphore -->
        <Model.ModelElement xmi.idref = 'a40C815FB0352' /> <!-- MetaModelLFP.Types.Bag -->
        <Model.ModelElement xmi.idref = 'a40C815FB0359' /> <!-- MetaModelLFP.Types.Set -->
        <Model.ModelElement xmi.idref = 'a40C815FB035A' /> <!-- MetaModelLFP.Types.Discrete -->
        <Model.ModelElement xmi.idref = 'a40C815FB035B' /> <!-- MetaModelLFP.Types.Enumerate -->
        <Model.ModelElement xmi.idref = 'a40C815FB0364' /> <!-- MetaModelLFP.Types.RestrictedEnum -->
        <Model.ModelElement xmi.idref = 'a40C815FB0366' /> <!-- MetaModelLFP.Types.Integer -->
        <Model.ModelElement xmi.idref = 'a40C815FB0377' /> <!-- MetaModelLFP.Types.Record -->
        <Model.ModelElement xmi.idref = 'a40C815FB0378' /> <!-- MetaModelLFP.Types.Array -->
        <Model.ModelElement xmi.idref = 'a40C815FB037A' /> <!-- MetaModelLFP.Types.Field -->
        <Model.ModelElement xmi.idref = 'a40C815FB0382' /> <!-- MetaModelLFP.Types.Sets -->
        <Model.ModelElement xmi.idref = 'a40C815FB038B' /> <!-- MetaModelLFP.Types.RestrictedInteger -->
        <Model.ModelElement xmi.idref = 'a40C815FB038D' /> <!-- MetaModelLFP.Types.RangeRule -->
        <Model.ModelElement xmi.idref = 'a40C815FB0397' /> <!-- MetaModelLFP.Types.RangeRules -->
        <Model.ModelElement xmi.idref = 'a40C815FB039F' /> <!-- MetaModelLFP.Types.RangeRule2 -->
        <Model.ModelElement xmi.idref = 'a40C815FB03A9' /> <!-- MetaModelLFP.Types.PortType -->
        <Model.ModelElement xmi.idref = 'a40C815FB03B3' /> <!-- MetaModelLFP.Types.Message -->
        <Model.ModelElement xmi.idref = 'a40C815FB03B5' /> <!-- MetaModelLFP.Types.TypeDescriptor -->
      </Model.Tag.elements>
    </Model.Tag>
    <!-- ===== MetaModelLFP.Types.Semaphore [Class] ===== -->
    <Model.Class xmi.id = 'a40C815FB0350' >
      <Model.ModelElement.name>Semaphore</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.GeneralizableElement.isRoot xmi.value = "false"/>
      <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
      <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
      <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
      <Model.Class.isSingleton xmi.value = "false"/>
      <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB034F' /> <!-- MetaModelLFP.Types.Types -->
      </Model.GeneralizableElement.supertypes>
      <Model.Namespace.contents>
        <!-- ===== MetaModelLFP.Types.Semaphore.nbInitComp [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB0351' >
          <Model.ModelElement.name>nbInitComp</Model.ModelElement.name>
          <Model.ModelElement.annotation></Model.ModelElement.annotation>

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    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
      <XMI.field>1</XMI.field>
      <XMI.field>1</XMI.field>
      <XMI.field>>false</XMI.field>
      <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
      <Model.Classifier xmi.idref = 'a40C815FB02C7'/> <!-- MetaModelLfp.DataTypes.Inte -->
    </Model.TypedElement.type>
  </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Types.Bag [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0352' >
  <Model.ModelElement.name>Bag</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0382'/> <!-- MetaModelLfp.Types.Sets -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Types.Set [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0359' >
  <Model.ModelElement.name>Set</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0382'/> <!-- MetaModelLfp.Types.Sets -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Types.Discrete [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB035A' >
  <Model.ModelElement.name>Discrete</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB034F'/> <!-- MetaModelLfp.Types.Types -->
  </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Types.Enumerate [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB035B' >
  <Model.ModelElement.name>Enumerate</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB035A'/> <!-- MetaModelLfp.Types.Discrete -->
  </Model.GeneralizableElement.supertypes>
</Model.Namespace.contents>
<!-- ===== MetaModelLfp.Types.Enumerate.isCircular [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0363' >
  <Model.ModelElement.name>isCircular</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.Feature.scope xmi.value = "instance_level"/>
  <Model.Feature.visibility xmi.value = "public_vis"/>
  <Model.StructuralFeature.multiplicity>
    <XMI.field>1</XMI.field>
    <XMI.field>1</XMI.field>
    <XMI.field>>false</XMI.field>
    <XMI.field>>false</XMI.field>
  </Model.StructuralFeature.multiplicity>
  <Model.StructuralFeature.isChangeable xmi.value = "true"/>
  <Model.Attribute.isDerived xmi.value = "false"/>
  <Model.TypedElement.type>

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        <Model.Classifier xmi.idref = 'a40C815FB02CD' /> <!-- MetaModelLFP.DataTypes.Boolean -->
    </Model.TypedElement.type>
    </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Types.RestrictedEnum [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0364' >
    <Model.ModelElement.name>RestrictedEnum</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB035B' /> <!-- MetaModelLFP.Types.Enumerate -->
    </Model.GeneralizableElement.supertypes>
    <Model.Namespace.contents>
        <!-- ===== MetaModelLFP.Types.RestrictedEnum.typeRestricted [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB0365' >
            <Model.ModelElement.name>typeRestricted</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
                <XMI.field>1</XMI.field>
                <XMI.field>1</XMI.field>
                <XMI.field>>false</XMI.field>
                <XMI.field>>false</XMI.field>
            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB03B5' /> <!-- MetaModelLFP.Types.TypeDescriptor -->
            </Model.TypedElement.type>
        </Model.Attribute>
    </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Types.Integer [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0366' >
    <Model.ModelElement.name>Integer</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB035A' /> <!-- MetaModelLFP.Types.Discrete -->
    </Model.GeneralizableElement.supertypes>
    <Model.Namespace.contents>
        <!-- ===== MetaModelLFP.Types.Integer.infBound [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB036D' >
            <Model.ModelElement.name>infBound</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
                <XMI.field>1</XMI.field>
                <XMI.field>1</XMI.field>
                <XMI.field>>false</XMI.field>
                <XMI.field>>false</XMI.field>
            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB02C7' /> <!-- MetaModelLFP.DataTypes.Inte -->
            </Model.TypedElement.type>
        </Model.Attribute>
        <!-- ===== MetaModelLFP.Types.Integer.supBound [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB036E' >
            <Model.ModelElement.name>supBound</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
                <XMI.field>1</XMI.field>
                <XMI.field>1</XMI.field>
                <XMI.field>>false</XMI.field>
                <XMI.field>>false</XMI.field>
            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>
    </Model.Namespace.contents>
</Model.Class>

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        <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02C7' /> <!-- MetaModellLfp.DataTypes.Inte -->
    </Model.TypedElement.type>
    </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModellLfp.Types.Record [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0377' >
    <Model.ModelElement.name>Record</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB034F' /> <!-- MetaModellLfp.Types.Types -->
    </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModellLfp.Types.Array [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0378' >
    <Model.ModelElement.name>Array</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB034F' /> <!-- MetaModellLfp.Types.Types -->
    </Model.GeneralizableElement.supertypes>
</Model.Namespace.contents>
<!-- ===== MetaModellLfp.Types.Array.valsType [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0379' >
    <Model.ModelElement.name>valsType</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
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        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB03B5' /> <!-- MetaModellLfp.Types.TypeDescriptor -->
    </Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModellLfp.Types.Field [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB037A' >
    <Model.ModelElement.name>Field</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
</Model.Namespace.contents>
<!-- ===== MetaModellLfp.Types.Field.fieldName [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB037B' >
    <Model.ModelElement.name>fieldName</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.Feature.scope xmi.value = "instance_level"/>
    <Model.Feature.visibility xmi.value = "public_vis"/>
    <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02CF' /> <!-- MetaModellLfp.DataTypes.Identifier -->
    </Model.TypedElement.type>
</Model.Attribute>
<!-- ===== MetaModellLfp.Types.Field.fieldType [Attribute] ===== -->
<Model.Attribute xmi.id = 'a40C815FB0381' >
    <Model.ModelElement.name>fieldType</Model.ModelElement.name>

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<Model.ModelElement.annotation></Model.ModelElement.annotation>
<Model.Feature.scope xmi.value = "instance_level"/>
<Model.Feature.visibility xmi.value = "public_vis"/>
<Model.StructuralFeature.multiplicity>
  <XMI.field>1</XMI.field>
  <XMI.field>1</XMI.field>
  <XMI.field>>false</XMI.field>
  <XMI.field>>false</XMI.field>
</Model.StructuralFeature.multiplicity>
<Model.StructuralFeature.isChangeable xmi.value = "true"/>
<Model.Attribute.isDerived xmi.value = "false"/>
<Model.TypedElement.type>
  <Model.Classifier xmi.idref = 'a40C815FB03B5'/> <!-- MetaModelLFP.Types.TypeDescriptor -->
</Model.TypedElement.type>
</Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Types.Sets [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0382' >
  <Model.ModelElement.name>Sets</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB034F'/> <!-- MetaModelLFP.Types.Types -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Types.Sets.elemType [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB0383' >
      <Model.ModelElement.name>elemType</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
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        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB03B5'/> <!-- MetaModelLFP.Types.TypeDescriptor -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLFP.Types.RestrictedInteger [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB038B' >
  <Model.ModelElement.name>RestrictedInteger</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0366'/> <!-- MetaModelLFP.Types.Integer -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLFP.Types.RestrictedInteger.isCircular [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB038C' >
      <Model.ModelElement.name>isCircular</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02CD'/> <!-- MetaModelLFP.DataTypes.Boolean -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>

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<!-- ===== MetaModelLfp.Types.RangeRule [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB038D' >
  <Model.ModelElement.name>RangeRule</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0397' /> <!-- MetaModelLfp.Types.RangeRules -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLfp.Types.RangeRule.initialValue [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB0395' >
      <Model.ModelElement.name>initialValue</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLfp.DataTypes.ExprVar -->
      </Model.TypedElement.type>
    </Model.Attribute>
    <!-- ===== MetaModelLfp.Types.RangeRule.finalValue [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB0396' >
      <Model.ModelElement.name>finalValue</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>
        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
      </Model.StructuralFeature.multiplicity>
      <Model.StructuralFeature.isChangeable xmi.value = "true"/>
      <Model.Attribute.isDerived xmi.value = "false"/>
      <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB02D7' /> <!-- MetaModelLfp.DataTypes.ExprVar -->
      </Model.TypedElement.type>
    </Model.Attribute>
  </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Types.RangeRules [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB0397' >
  <Model.ModelElement.name>RangeRules</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "true"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
</Model.Class>
<!-- ===== MetaModelLfp.Types.RangeRule2 [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB039F' >
  <Model.ModelElement.name>RangeRule2</Model.ModelElement.name>
  <Model.ModelElement.annotation></Model.ModelElement.annotation>
  <Model.GeneralizableElement.isRoot xmi.value = "false"/>
  <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
  <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
  <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
  <Model.Class.isSingleton xmi.value = "false"/>
  <Model.GeneralizableElement.supertypes>
    <Model.GeneralizableElement xmi.idref = 'a40C815FB0397' /> <!-- MetaModelLfp.Types.RangeRules -->
  </Model.GeneralizableElement.supertypes>
  <Model.Namespace.contents>
    <!-- ===== MetaModelLfp.Types.RangeRule2.discreteTypeName [Attribute] ===== -->
    <Model.Attribute xmi.id = 'a40C815FB03A0' >
      <Model.ModelElement.name>discreteTypeName</Model.ModelElement.name>
      <Model.ModelElement.annotation></Model.ModelElement.annotation>
      <Model.Feature.scope xmi.value = "instance_level"/>
      <Model.Feature.visibility xmi.value = "public_vis"/>
      <Model.StructuralFeature.multiplicity>
        <XMI.field>1</XMI.field>
        <XMI.field>1</XMI.field>

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        <XMI.field>>false</XMI.field>
        <XMI.field>>false</XMI.field>
    </Model.StructuralFeature.multiplicity>
    <Model.StructuralFeature.isChangeable xmi.value = "true"/>
    <Model.Attribute.isDerived xmi.value = "false"/>
    <Model.TypedElement.type>
        <Model.Classifier xmi.idref = 'a40C815FB03B5'/> <!-- MetaModelLfp.Types.TypeDescriptor -->
    </Model.TypedElement.type>
    </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Types.PortType [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB03A9' >
    <Model.ModelElement.name>PortType</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB034F'/> <!-- MetaModelLfp.Types.Types -->
    </Model.GeneralizableElement.supertypes>
</Model.Class>
<!-- ===== MetaModelLfp.Types.Message [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB03B3' >
    <Model.ModelElement.name>Message</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.GeneralizableElement.supertypes>
        <Model.GeneralizableElement xmi.idref = 'a40C815FB034F'/> <!-- MetaModelLfp.Types.Types -->
    </Model.GeneralizableElement.supertypes>
    <Model.Namespace.contents>
        <!-- ===== MetaModelLfp.Types.Message.var [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB03B4' >
            <Model.ModelElement.name>var</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
                <XMI.field>1</XMI.field>
                <XMI.field>1</XMI.field>
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                <XMI.field>>false</XMI.field>
            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB02D7'/> <!-- MetaModelLfp.DataTypes.ExprVar -->
            </Model.TypedElement.type>
        </Model.Attribute>
    </Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Types.TypeDescriptor [Class] ===== -->
<Model.Class xmi.id = 'a40C815FB03B5' >
    <Model.ModelElement.name>TypeDescriptor</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "false"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "false"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Class.isSingleton xmi.value = "false"/>
    <Model.Namespace.contents>
        <!-- ===== MetaModelLfp.Types.TypeDescriptor.typeIdentifier [Attribute] ===== -->
        <Model.Attribute xmi.id = 'a40C815FB03B6' >
            <Model.ModelElement.name>typeIdentifier</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.Feature.scope xmi.value = "instance_level"/>
            <Model.Feature.visibility xmi.value = "public_vis"/>
            <Model.StructuralFeature.multiplicity>
                <XMI.field>1</XMI.field>
                <XMI.field>1</XMI.field>
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                <XMI.field>>false</XMI.field>
            </Model.StructuralFeature.multiplicity>
            <Model.StructuralFeature.isChangeable xmi.value = "true"/>
            <Model.Attribute.isDerived xmi.value = "false"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB02CF'/> <!-- MetaModelLfp.DataTypes.Identifier -->
            </Model.TypedElement.type>
        </Model.Attribute>
    </Model.Namespace.contents>
</Model.Class>

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        </Model.TypedElement.type>
    </Model.Attribute>
</Model.Namespace.contents>
</Model.Class>
<!-- ===== MetaModelLfp.Types.enumRangeRule [Association] ===== -->
<Model.Association xmi.id = 'a40C815FD00A9' >
    <Model.ModelElement.name>enumRangeRule</Model.ModelElement.name>
    <Model.ModelElement.annotation></Model.ModelElement.annotation>
    <Model.GeneralizableElement.isRoot xmi.value = "true"/>
    <Model.GeneralizableElement.isLeaf xmi.value = "true"/>
    <Model.GeneralizableElement.isAbstract xmi.value = "false"/>
    <Model.GeneralizableElement.visibility xmi.value = "public_vis"/>
    <Model.Association.isDerived xmi.value = "false"/>
    <Model.Namespace.contents>
        <Model.AssociationEnd xmi.id = 'a40C815FD00AA' >
            <Model.ModelElement.name>restrictedEnum</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "false"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
            <Model.AssociationEnd.multiplicity>
                <XMI.field>0</XMI.field>
                <XMI.field>-1</XMI.field>
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                <XMI.field>>true</XMI.field>
            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB0364'/> <!-- MetaModelLfp.Types.RestrictedEnum -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
        <Model.AssociationEnd xmi.id = 'a40C815FD00AC' >
            <Model.ModelElement.name>rangeRules</Model.ModelElement.name>
            <Model.ModelElement.annotation></Model.ModelElement.annotation>
            <Model.AssociationEnd.isNavigable xmi.value = "true"/>
            <Model.AssociationEnd.aggregation xmi.value = "none"/>
            <Model.AssociationEnd.multiplicity>
                <XMI.field>1</XMI.field>
                <XMI.field>1</XMI.field>
                <XMI.field>>false</XMI.field>
                <XMI.field>>false</XMI.field>
            </Model.AssociationEnd.multiplicity>
            <Model.AssociationEnd.isChangeable xmi.value = "true"/>
            <Model.TypedElement.type>
                <Model.Classifier xmi.idref = 'a40C815FB0397'/> <!-- MetaModelLfp.Types.RangeRules -->
            </Model.TypedElement.type>
        </Model.AssociationEnd>
    </Model.Namespace.contents>
</Model.Association>
<!-- ===== MetaModelLfp.Types.arraySize [Association] ===== -->
<Model.Association xmi.id = 'a40C815FD00BD' >
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        </Model.AssociationEnd>
        <Model.AssociationEnd xmi.id = 'a40C815FD00C0' >
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```



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```



```

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```



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```





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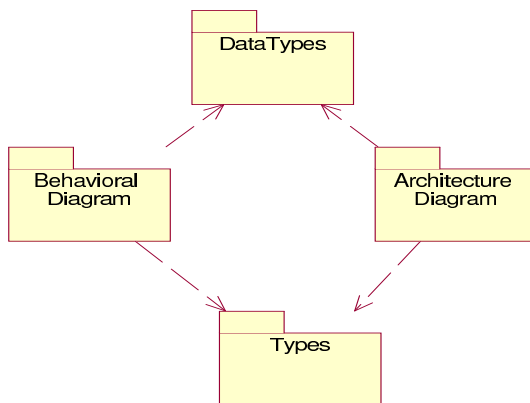
Draft

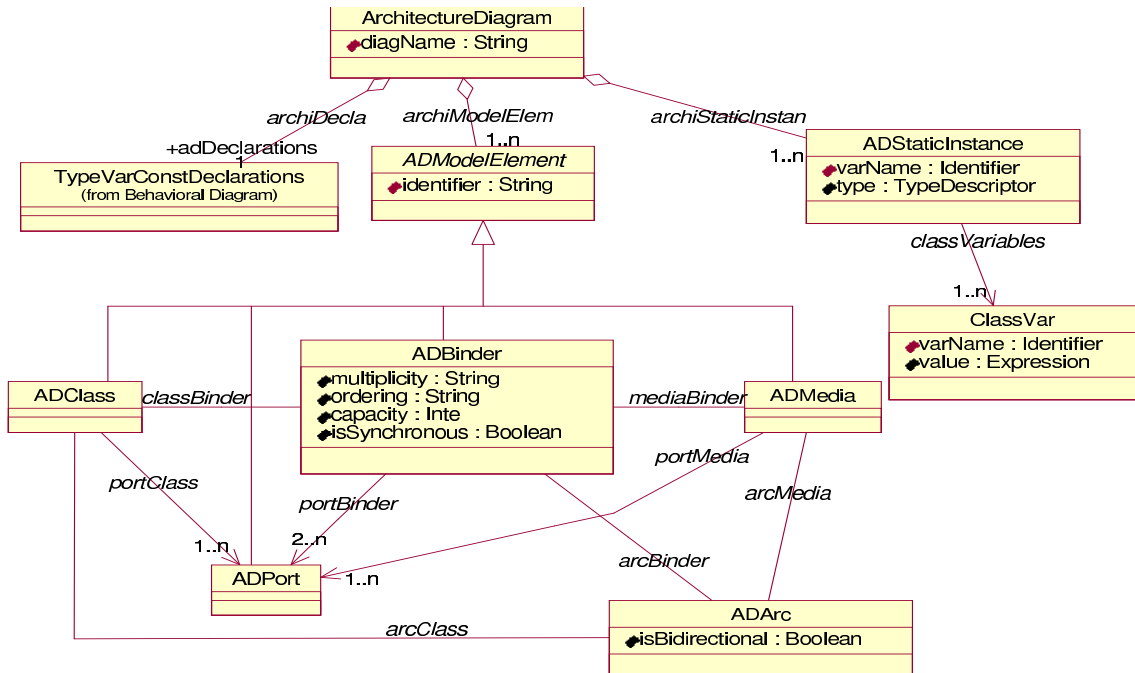


## 10 Annexe 2

La représentation graphique du méta-modèle **LfP** ici présentée n'est pas entièrement standard (aucun atelier graphique pour MOF ne le permet) mais elle est plus simple à étudier par un humain que la représentation textuelle.

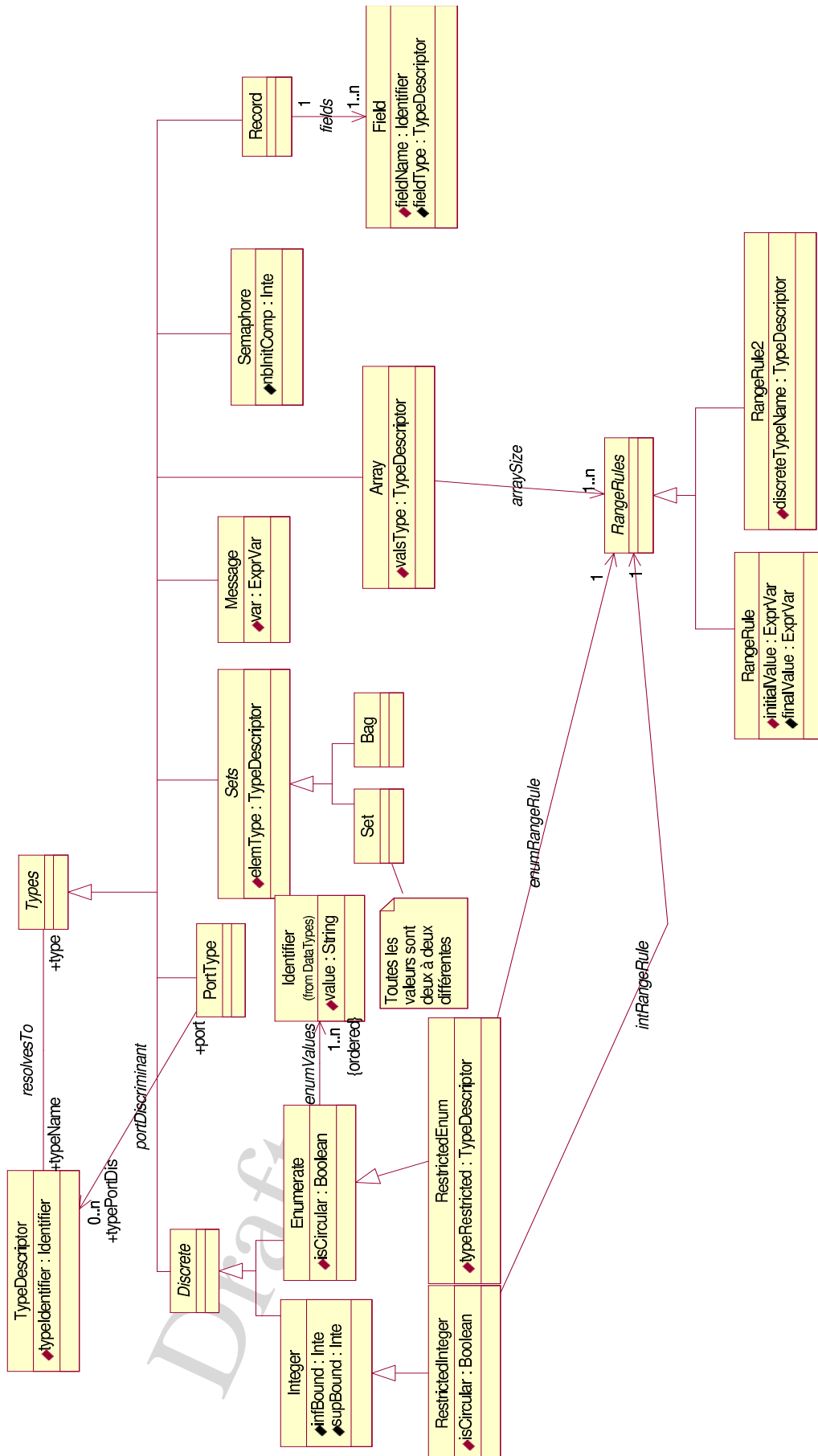
Les images suivantes représentent une vue générale du méta-modèle (vue des quatre packages qui le composent) puis une vue de chaque package.

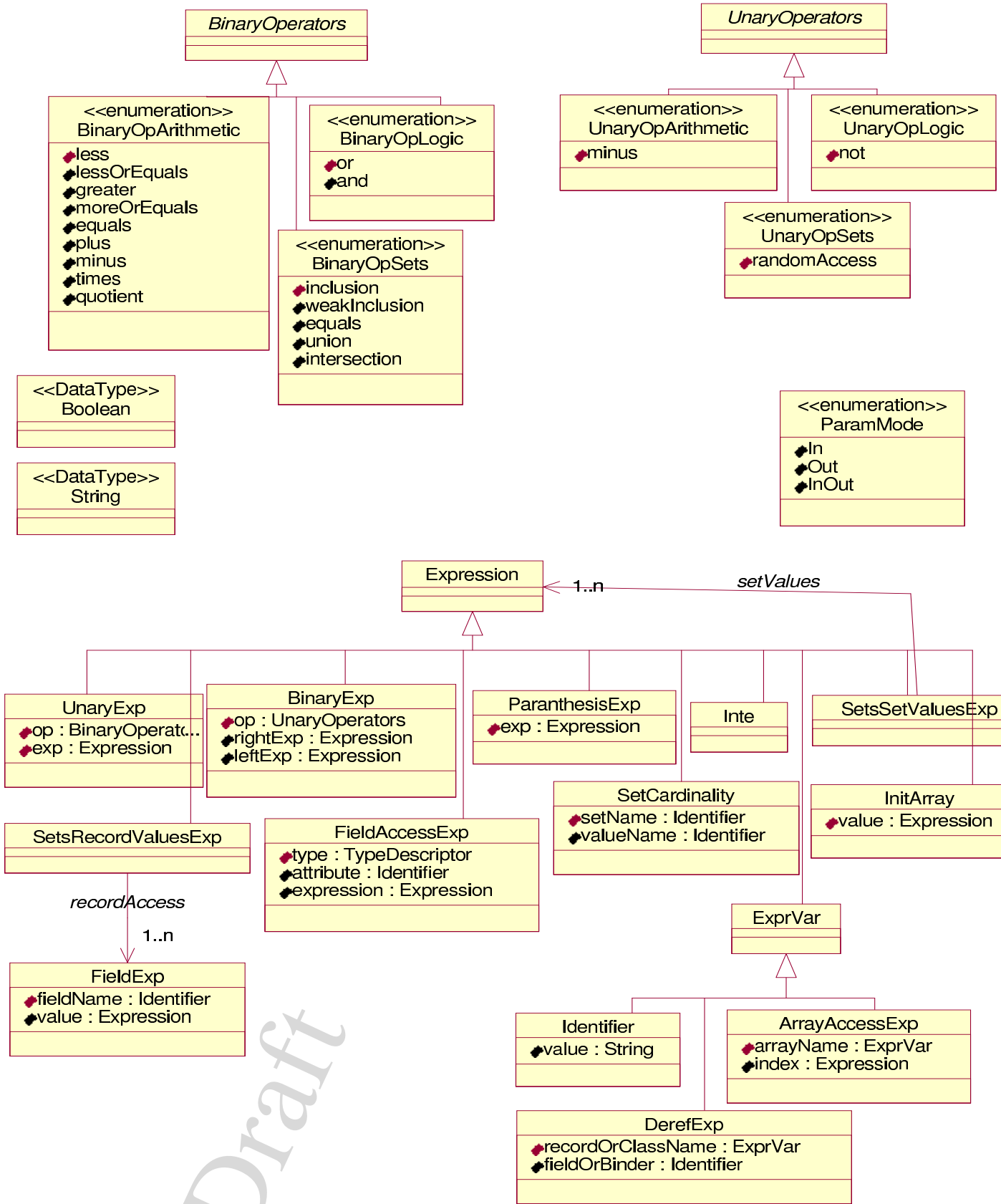




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