##### #########

##################

#### 1. Introduction

####### 1. ###### ##### ########

3 \* 4

3 \* person.age

2 ^ group.persons[3].age

person.age >= 12

#### ### ### ### ## ### ##############

3 times 4
3 times the age of a person
2 to the power of the age of the third person in the group the age of the person is greater than or equal to 2

## 2. The Language

###### 1. ###### #### ####

```
age // the age of the current person age >= 35 // the age is greater than or equal to 35 father.age // the age of the father father.age + mother.age >= 70 // the sum of the age of the father and // the age of the mother is greater than //or equal to 70 children[0].age < 7
```

#### 3. The API

# 3.1. Getting Started

##### ##### #### # ##### ###### #####:

####### 2. ##### ##########

Expression<Integer, Person>
doubleAge = Expressions
.from(Person.class)
.toInteger("age \* 2");
Person wilfred = new Person();
wilfred.name = "Wilfred";
wilfred.age = 35;
assert 70 == doubleAge.eval(wilfred);

#### 3.2. The ReferenceContext

```
ReferenceContext<Person> context =
 new ClassReferenceContext<Person>(Person.class);
Reference<Person> personsName =
 context.selectAttribute("name");
Reference<Person> fathersName =
 context.selectAttribute("father").selectAttribute("name");
Person wilfred = new Person();
wilfred.name = "Wilfred";
wilfred.age = 35;
Person levi = new Person();
levi.name = "Levi";
levi.age = 8;
levi.father = wilfred;
assert "Levi".equals(personsName.resolve(levi));
assert "Wilfred".equals(fathersName.resolve(levi));
assert "Wilfred".equals(personsName.resolve(wilfred));
// ... and this will throw a BindingException
Reference<Person> gender = context.selectAttribute("gender");
```

## 3.3. Natural Language Description

# 4. Embedding Limbo

#### 5. Limbo in Preon

## 5.1. BindingsContext

# ${\bf 5.2.} \ Import Supporting Object Resolver Context$

## 5.3. Index in Offset Expressions

# 6. Summary

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