

added binary grammar

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1 ArrayType

Original

ArrayType:

```
Type Dimension { Dimension }
```

Binary

```
<ArrayType>::=<Type><DimensionList>
```

```
<DimensionList>::=<Dimension>|<Dimension><DimensionList>
```

2 EnumDeclaration

Original

EnumDeclaration:

```
[ Javadoc ] { ExtendedModifier } enum Identifier [ implements Type { , Type } ] {  
[ EnumConstantDeclaration { , EnumConstantDeclaration } ] [ , ]  
[ ; { ClassBodyDeclaration | ; } ]  
}
```

Binary

```
<EnumDeclaration>::=<EnumDeclarationHeader><ClassBodyElementList>
```

```
<EnumDeclarationHeader>::=<TypeDeclarationHeader><EnumConstantDeclarationList>
```

```
<EnumConstantDeclarationList>::=<EnumConstantDeclaration>|<EnumConstantDeclaration  
n ><EnumConstantDeclarationList>
```

```
<TypeDeclarationHeader>::=<ModifierList><TypeSignature>
```

```
<ModifierList>::=<ExtendedModifier>|<ExtendedModifier><ModifierList>
```

```
<TypeSignature>::=<Identifier><TypeList>
```

```
<TypeList>::=<Type>|<Type><TypeList>
```

```
<ClassBodyElementList>::=<ClassBodyElement>|<ClassBodyElement><ClassBodyElementLi  
st>
```

3 AnnotationTypeDeclaration

Original

AnnotationTypeDeclaration:

```
[ Javadoc ] { ExtendedModifier } @ interface Identifier  
{ { AnnotationTypeBodyDeclaration | ; } }
```

Binary

```
<AnnotationTypeDeclaration>::=<AnnotationTypeDeclarationHeader><AnnotationTypeBo  
dyDeclarationList>
```

```
<AnnotationTypeDeclarationHeader>::=<PredefinedAnnotationList>< AnnotationTypeDecl  
arationSignature>
```

```
<AnnotationTypeDeclarationSignature>::=<ModifierList><Identifier>
```

```
<PredefinedAnnotationList>::=<PredefinedAnnotation>|<PredefinedAnnotation><Predefin
```

```

edAnnotationList>
<AnnotationTypeBodyDeclarationList>::=<AnnotationTypeBodyDeclaration>|<AnnotationT
ypeBodyDeclaration><AnnotationTypeBodyDeclarationList>
<ModifierList>::=<Modifier>|<Modifier><ModifierList>

```

4 VariableDeclarationFragment

Original

VariableDeclarationFragment:

```
Identifier { Dimension } [ Expression ]
```

Binary

```

<VariableDeclarationFragment>::=<VariableDeclarationFragmentSignature><Expression>
<VariableDeclarationFragmentSignature>::=<Identifier><DimensionList>
<DimensionList>::=<Dimension>|<Dimension><DimensionList>

```

5 EnumConstantDeclaration

Original

EnumConstantDeclaration:

```

[ Javadoc ]{ ExtendedModifier } Identifier [ ( [ Expression { , Expression } ] ) ]
[ AnonymousClassDeclaration ]

```

Binary

```

<EnumConstantDeclaration>::=<EnumConstantDeclarationHeader><
EnumConstantDeclarationBody>
< EnumConstantDeclarationHeader>::= <ModifierList><Identifier>
< EnumConstantDeclarationBody>::= <ExpressionList><AnonymousClassDeclaration>
< ModifierList >::=<ExtendedModifier>|<ExtendedModifier>< ModifierList >

```

6 AnnotationTypeMemberDeclaration

Original

AnnotationTypeMemberDeclaration:

```
[ Javadoc ] { ExtendedModifier } Type Identifier ( ) [ default Expression ] ;
```

Binary

```

<AnnotationTypeMemberDeclaration>::=<ModifierList><AnnotationTypeMemberDeclarati
onBody>
<AnnotationTypeMemberDeclarationBody>::=<TypeSignature><Expression>
<TypeSignature>::=<Type><Identifier>

```

7 TypeParameter

Original

TypeParameter:

{ ExtendedModifier } Identifier [extends Type { & Type }]

Binary

<TypeParameter>::=<TypeParameterHeader><Identifier>

<TypeParameterHeader>=<TypeList><ModifierList>

< ModifierList >::=<ExtendedModifer>|<ExtendedModifer>< ModifierList >

<TypeList>::=<Type>|<Type><TypeList>