

Formal translation of top-level element constructs

This page contains the translation of the top-level element constructs of X-DEVICE, namely the wrapping construct for `xml_result` and `xml_sorted`. The constructs `shallow_result` and `shallow_sorted` are handled similarly.

Consider the following abstract X-DEVICE rule:

```
if Condition
then xml_result(ClassA(ClassB(ElemDef)))
```

which is translated into the two following rules:

```
if Condition
then ClassB(ElemDef)

if XX1@ClassB
then xml_result(ClassA(ClassB:list(XX1)))
```

For the `xml_sorted` construct, consider the following abstract X-DEVICE rule:

```
if Condition
then xml_sorted(SortVars,ClassA(ClassB(ElemDef)))
```

which is translated into the two following rules:

```
if Condition
then ClassB(ElemDef)

if XX1@ClassB(ElemDef)
then xml_result(ClassA(ClassB:ord_list(XX1-SortVars)))
```