OpenMath XML Translation Server

OpenXM.org

1 OpenMath (1999)

`om.rr`. Java .

Author of OMproxy : Yasushi Tamura.

1.0.1 `om_start`

`om_start()`
        :: `OMproxy` . CMO OpenMath XML (CD's in 1999) .

return

```
[155] load("om.rr");
1
[160] om_start();
control: wait OX
Trying to connect to the server... Done.
0
[161] om_xml(<<1,0>>+2*<<0,1>>);
<OMOBJ><OMA><OMS name="DMP" cd="poly"/>
<OMA><OMS name="PolyRing" cd="poly"/>
 <OMI>2</OMI></OMA><OMA>
 <OMS name="SDMP" cd="poly"/>
 <OMA><OMS name="Monom" cd="poly"/><OMI>1</OMI><OMI>1</OMI><OMI>0</OMI></OMA>
  <OMA><OMS name="Monom" cd="poly"/><OMI>2</OMI><OMI>0</OMI><OMI>1</OMI></OMA>
</OMA></OMA></OMOBJ>
[162] om_xml_to_cmo(@);
(1)*<<1,0>>+(2)*<<0,1>>
```

1.0.2 `om_xml`

`om_xml(s|proc=p)`
        :: s CMO OpenMath XML (CD's in 1999) .

return

p

s

- s CMO OpenMath XML (CD's in 1999) .
  ```
  For (I=0; I<10; I++) {
      A = 2^I;
      B = om_xml(A);
      C = om_xml_to_cmo(B);
      print(A == C);
  }
  ```

1.0.3 `om_xml_to_cmo`

`om_xml_to_cmo(s|proc=p)`
        :: OpenMath XML (CD's in 1999) s CMO .

return

p

s

- OpenMath XML (CD's in 1999) *s* CMO .

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