mdelfede wrote on Fri, 26 October 2007 12:47luzr wrote on Fri, 26 October 2007 14:01
But does not compile Your template needs deep public copy constructor for T, even if it is not
actually used (because reference count is always 1 for COW ops).

Quote:
and I can tell you that if you forget the & you have double controls on screen!

 Sounds like a possible solution, but in that case you need to solve the quite complex problem of
polymorphic copy - and all that only to make flawed code working somehow.

Well, thinking a bit more about it.... I have the solution : put dummy copy constructors in Ctrl class,
that throw an exception or fail an assert... So :
1- You're sure that you don't use the copy-on-write for classes you don't want to.
2- You must not write some cumbersome polymorphic class copy constructor.
Copy constructors *are* there, so my previous example does work

So, the solution (with refcounted classes) is to displace the error from picked array to copy
constructor

Now I am not quite sure if this is meant as joke or not

(Note that classes like Ctrl derive from NoCopy, which makes it copy constructor private to catch
its misuse at compile time).

Mirek