
Subject: Re: NEW: generic Toupel grouper
Posted by [dolik.rce](#) on Thu, 14 Oct 2010 00:14:44 GMT
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Hi,

As I promised, here is the code I mentioned in my previous post...

Disclaimer: I am aware that the implementation is verbose, bulky, tricky, possibly deceiving and abuses compiler to do things it was never meant to do. Yet I am very happy to see the result - simple template that is able to determine moveability of it's parameters.

Majority of the ugly code is in Topt.h. Since U++ uses two different way how to mark a type moveable (Moveable<> and NTL_MOVEABLE), the code has two ugly parts, one checking each method and ORing both together. Also I had to add some more code to NTL_MOVEABLE macro to be able to determine the moveability correctly. In the Tuple.h, the only change is the PossiblyMoveable<> base for each size of Tuple.

PossiblyMoveable might be useful in some other context too. I just can't think of any right now. Also IsMoveable<T> and IsBase<Base,Derived> (can determine if Base is really base class of Derived) could be helpful for someone, but they would need to be little more general for common user to use...

Tell me what you think about this, but don't tell me I'm crazy I'm actually quite realistic and don't expect this to get into U++. I wrote it mainly for fun of discovering new tricks and pushing the limits

Best regards,
Honza

File Attachments

- 1) [Topt.h](#), downloaded 224 times
 - 2) [Tuple.h](#), downloaded 333 times
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