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Subject: Re: Quick bi-array

Posted by [mirek](#) on Wed, 21 Jan 2009 13:53:55 GMT

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Mindtraveller wrote on Wed, 21 January 2009 08:38I need a deque-like container where I may reserve space for a number of elements, and the main requirement is that removing element doesn't make actual memory deallocation, as well as adding element by reference doesn't actually make any memory allocation or constructor call. I want add/delete mechanism to be as quick as possible: all the actions are to be done within reserved set of elements. Adding is just calling operator= to internal reserved container element, removing is just marking it unused. Something like that.

Is there any appropriate container in U++?

Looking into sources, it looks like BiVector and BiArray use new/delete and don't match requirements.

BiVector would call only single new at Reserve, then nothing else.

BiArray behaves as Array, of course (each element is newed/deleted).

It is not easy to decipher your requirements, but if you mean by 'reference' what I understand, I guess something like

BiVector<Element \*>

should be fine and would never call new/delete after Reserve, as long as you do not exceed the reserved size.

Would you be more specific, I would try to find more detailed answer.

Mirek

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