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Subject: Re: Impressive improvement in `std::vector` when dealing with raw memory.  
Posted by [Lance](#) on Mon, 14 Nov 2022 13:31:05 GMT

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Victor:

Thank you! I was suspecting it's probably just because my CPU lack certain optimisation.

The `push_back()/emplace_back()` action on raw bytes without reserve first is the most important indicator of efficiency. `std::vector` is finally catching up , it seems.

insert/remove in the beginning is also story telling but this if of less importance, because a vector is not designed for frequent add/remove from position other than close to the end. Anyway in this respect, both `std::vector` and `Upp::vector` perform at par.

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