Subject: Binomial heap
Posted by nebrinda on Mon, 07 Nov 2016 17:51:19 GMT
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It looks like the root list is a linked-list and not an array in the implementation. How then should we check for multiple sub-heaps of the same degree?

Subject: Re: Binomial heap
Posted by btlindow on Mon, 07 Nov 2016 20:43:11 GMT
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The consolidation function is where the consolidation array is created. The updateConsolidationArray function is where that merging actually happens. After consolidation, we put the elements from the array back into the rootlist. We use a linked list for our rootlist because it is easier (IMO) to add elements to it rather than reallocating an array, copying elements over, and deleting the old array.

Subject: Re: Binomial heap
Posted by lusth on Tue, 08 Nov 2016 18:04:46 GMT
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^ Correct. The consolidation routine uses an array, but the rootlist is most commonly kept as a linked list.