Why are both size and \*compar initialized with the keyword register?

Why is the right shift operator used instead of just dividing by 2?

Ryan Hartman Q1  
What is the purpose of the "size" argument and why is it included?

The size argument is just used as an index to move from one element in the sorted array to the next. In the case that the size of each element is more than one, the size can be used to skip over that particular number of elements.

Aaron Loomis Q1

The cmp variable stores the value given by the compar method. This method gives a zero if two numbers are the same, it gives a value less than zero if p is greater than key, and gives a value greater than zero if key is greater than p. The cmp value could be different each iteration depending on the two numbers being compared.

**Question 2: William King**

by [William King](https://gouda.msudenver.edu/moodle/user/view.php?id=129&course=60) - Friday, October 21, 2016, 7:26 PM

Why does the for loop check for 'lim != 0' an okay check despite the recommendation to ensure we account for all possibilities?  In other words, why is this check okay not looking to see if 'lim < 0'?