

```

self      the average number of milliseconds spent in this
ns/call   function per call, if this function is profiled,
          else blank.

total     the average number of milliseconds spent in this
ns/call   function and its descendents per call, if this
          function is profiled, else blank.

name      the name of the function. This is the minor sort
          for this listing. The index shows the location of
          the function in the gprof listing. If the index is
          in parenthesis it shows where it would appear in
          the gprof listing if it were to be printed.

```

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Call graph (explanation follows)

granularity: each sample hit covers 2 byte(s) for 6.84% of 0.15 seconds

index	% time	self	children	called	name
					<spontaneous>
[1]	100.0	0.00	0.15		main [1]
		0.00	0.14	1/1	quickSort [3]
		0.01	0.00	2/2	printArray [5]

		0.04	0.10	9999/9999	quickSort [3]
[2]	93.1	0.04	0.10	9999	partition [2]
		0.10	0.00	50004999/50004999	swap [4]

				19998	quickSort [3]
		0.00	0.14	1/1	main [1]
[3]	93.1	0.00	0.14	1+19998	quickSort [3]
		0.04	0.10	9999/9999	partition [2]
				19998	quickSort [3]

		0.10	0.00	50004999/50004999	partition [2]
[4]	65.5	0.10	0.00	50004999	swap [4]

		0.01	0.00	2/2	main [1]
[5]	6.9	0.01	0.00	2	printArray [5]

This table describes the call tree of the program, and was sorted by
the total amount of time spent in each function and its children.

Each entry in this table consists of several lines. The line with the
index number at the left hand margin lists the current function.

Flat profile:

Each sample counts as 0.01 seconds.

% time	cumulative seconds	self seconds	calls	self ms/call	total ms/call	name
63.87	0.10	0.10	50004999	0.00	0.00	swap
26.89	0.14	0.04	9999	0.00	0.01	partition
6.72	0.15	0.01	2	5.04	5.04	printArray
0.00	0.15	0.00	1	0.00	136.13	quickSort

%
time the percentage of the total running time of the
 program used by this function.

cumulative
seconds a running sum of the number of seconds accounted
 for by this function and those listed above it.

self
seconds the number of seconds accounted for by this
 function alone. This is the major sort for this
 listing.

calls the number of times this function was invoked, if
 this function is profiled, else blank.

self
ms/call the average number of milliseconds spent in this
 function per call, if this function is profiled,
 else blank.

total
ms/call the average number of milliseconds spent in this
 function and its descendents per call, if this
 function is profiled, else blank.