Register analysis results

ister hits					Static	ynamically by logging each read/w				egister hits	> [guest arguments]					Dynamic						Register hits	s
ter/Mnemonic	sort	gzip	602.gcc	s 605.mc	f s 620.o	mnetpp_s 631.d	eepsjeng_s	Sum	Regi	gister/Mnemonic	sort	gzip	**	602.gcc_:	* 605.mc	f_s*	620.omnetpp_s*		631.deepsjeng_s*	s	um	Register/Mnemonic	ic
ero	20034	28893	56075				28214	793942		x0/zero	4475899	376439		2667856	465553	3339	2253566075		4617948989	15298	583395	x0/zero	ю.
	5832	8182	36265	5 6614		9527	7473	520283		x1/ra	3091181	108969	97558	1302509	143327	5269	1449301801		2595580782	6572	249100	x1/ra	
	13359	17019	28818		6 1	8528	17580	519922		x2/sp	6437556	307511	14960	3524710	612594	4837	3208313247		5135770202	12041	755512	x2/sp	р
р	997	3	5353				1329	13598		x3/gp	18171	2		63299	16345	553	122141943		805824664	9296	82632	x3/gp	p
р	374	535	511			726	490	3112		x4/tp	9038	535		19660	1450	785	69482177		1886	709	8904	x4/tp	
0	205	319	1952			512	402	3807		x5/t0	16750	12		59607	129673		6869180		265287553		967975	x5/t0	
t1	1190	1549	14236				1919	32015		x6/t1	112897	90		111626	203929	3039	192875537		798436994	3030	330183	x6/t1	
t2	220	236	1616			577	376	3276		x7/t2	26129	19		25107	13514		8659547		127994898	1502	19795	x7/t2	
i0/fp	9624	17533	20751				12982	362382		x8/s0/fp	50586780	677028		1656653			1502419851		2321570646		227239	x8/s0/fp	
s1	5289	7132	15833			3935	7365	248670		x9/s1	496591	313309		1158792			1008644888		1684675964		340667	x9/s1	
/a0	13431	17814	37191				18899	596076		x10/a0	2339949	106056		2218179			2811488742		9384481829		891771	x10/a0	
a1	6930	9380	17810				10088	286705		x11/a1	1845985	40198		1280316			1414676469		2969795360		973954	x11/a1	
a2	6918	9339	15701				10456	237415		x12/a2	2307888	97362		149441			1145194695		3843137772		126981	x12/a2	
/a3	9087	13512	18909				14907	279845		x13/a3	17904943	540910		237302:			1619081322		7669923217		246096	x13/a3	
/a4	14483	25269	39168				22284	547970		x14/a4	47289052	236975		3533709			2679439841		13743375938		146337	x14/a4	
a5 a6	27659 2302	57068 2841	75898 22256				10276 3311	1110682 42372		x15/a5 x16/a6	96587179 340787	707683 19232		6781474 814210			4196188034 433003791		20213596008 1245122456		4E+11 742776	x15/a5 x16/a6	
аь a7	1893	2841	14345				3311 2907	42372 29814		x16/86 x17/87	142084	1923	2006	814210 362579	267229 340550		433003791 326036866				742776 528819	x15/35 x17/37	
a/ 's2	1893 3667	2395 5109	14345				5538	29814 172727		x1//a/ x18/s2	142U84 265825	129186	51267	362579 899582	340550 51938		526036866 673338494		813478122 1601339086		028819 087218	x1//a/ x18/s2	
s2 's3	3bb/ 3277	5109 4332	11054 87226				4902	1/2/2/		x18/52 x19/53	265825 261670	129180 29100		899582 798674	51938. 869325		527360313		1601339086		717856	x18/s2 x19/s3	
/s4	2498	4332 3055	65043			2598	4902 3646	99842		x19/53 x20/54	178543	30973		567204	733050		317665400		1505645514		339115	x19/s: x20/s4	
s5	2498	2953	53692			7053	3541	99842 82551		x20/s4 x21/s5	112318	44329		413717	103019		295170145				39115	x20/s5 x21/s5	
i5 i6	2342 1986	2953	53692 46731				3541 2905	82551 69007		x21/55 x22/56	112318	44329		413/1/ 383275	103019 351010		2951/0145		1099157121		784363	x21/s: x22/s6	6
so s7	1899	2434 2550	41348			1781	2805	62931		x23/s7	75251	19		294237	37988		153466324		619002563		719930	x22/s0 x23/s7	
's8	1652	2100	35853				2430	54452		x24/s8	139478	13		196965	233438		132348603		1042202578		25956	x24/s8	
/s9	1975	2352	33712				2598	52415		x25/s9	198819	49		265820	553569		171723521		646992246		749962	x25/s9	
s10	1901	2416	31438			604	2915	48761		x26/s10	208499	11		232010	617898		76985265		742883956		08169	x26/s10	
s11	1546	2162	29639			055	2633	45219		x27/s11	154361	10		166282	194411		92845261		1505513053		789596	x27/s11	
t3	856	1114	6033			1543	1417	13128		x28/t3	112771	4	,	65112	746634	4836	139986303		906736264	1793	35328	x28/t3	
14	530	737	4611				1003	9450		x29/t4	74969	31	5	44532	42039	7308	197028154		727115400	1344	60398	x29/t4	
)/t5	376	490	3295	531		176	635	6503		x30/t5	42029	2	3	19135	405833	3358	61131591		302942719	7699	68855	x30/t5	5
/t6	362	458	2802	466		893	564	5545		x31/t6	53700	5		55565	139288	9704	59913866		382710948	1835	23788	x31/t6	:6
n	164694	251281	423646	3 20400	12 13	94174	38790	6489404		Sum	236021416	1,2249	9E+11	3384982	510837	74709	27587433922		91793402497	2,932	33E+11	Sum	n
nked hitlist					Static				Rar	nked hitlist						Dynamic						Ranked hitlist	t
chmark	sort	gzip	602.gcc	s 605.mc		nnetpp s 631.d	eepsjeng_s	Average		Benchmark	sort	gzip	**	602.gcc			620.omnetpp s*		631.deepsjeng s*	Ave	rage	Benchmark	
	x15/a5 16		22,71% x15/a5	17,92% x15/a5	16,79% x15/a5	13,80% x15/a5	16,87%	x15/a5	17,12%		x15/a5 40,9		57.77%		20,03% x15/a5	15.38%		15.21%		,02% x15/a5	35,179	1	1
			11,50% x0/zero	13,24% x0/zero	12,20% x2/sp	12.09% x0/zero	11,82%	x0/zero	12,23%		x8/s0/fp 21,4		19.35%		10.44% x14/a4					,97% x14/a4	15,469		2
	x14/a4 8		10,06% x14/a4	9,25% x14/a4	8,93% x10/a0	11,35% x14/a4	9,33%	x10/a0	9,19%		x14/a4 20,0	4% x8/s0/fp	5,53%	x2/sp	10,41% x0/zero			10,19%	<10/a0 10	,22% x13/a3	5,789		3
		8,16% x10/a0	7,09% x10/a0	8,78% x10/a0	7,71% x0/zero	9,41% x10/a0	7,91%	x14/a4	8,44%	4	x13/a3 7,5	9% x13/a3	4,42%	x0/zero	7,88% x10/a0	6,73%	x14/a4			,36% x10/a0	5,709		4
	x2/sp 8	8,11% x8/s0/fp	6,98% x1/ra	8,56% x2/sp	7,48% x1/ra	9,29% x2/sp	7,36%	x1/ra	8,02%	5	x2/sp 2,7	3% x0/zero	3,07%	x13/a3	7,01% x17/a7	6,67%	x0/zero	8,17%	x2/sp 5	,59% x0/zero	5,229	5	5
	x8/s0/fp 5	5,84% x2/sp	6,77% x2/sp	6,80% x13/a3	6,01% x8/s0/fp	7,38% x13/a3	6,24%	x2/sp	8,01%	6		0% x9/s1	2,56%		6,55% x8/s0/fp	6,53%	x13/a3	5,87%	:0/zero 5	,03% x8/s0/fp	4,775		6 83
		5,52% x13/a3	5,38% x8/s0/fp	4,90% x8/s0/fp	5,79% x14/a4	5,45% x8/s0/fp	5,44%	x8/s0/fp	5,58%	7	x1/ra 1,3		2,51%		4,89% x13/a3	4,36%				,19% x2/sp	4,115		7
		4,21% x11/a1	3,73% x13/a3	4,46% x12/a2	4,32% x11/a1	5,27% x12/a2	4,38%	x11/a1	4,42%			9% x18/s2	1,05%		4,41% x11/a1	4,33%				,24% x12/a2	2,735		8
		4,20% x12/a2	3,72% x11/a1	4,20% x11/a1	4,26% x9/s1	4,59% x11/a1	4,22%	x13/a3	4,31%		x12/a2 0,9		0,89%		3,85% x6/t1					,83% x11/a1	2,399		9
		3,54% x1/ra	3,26% x9/s1	3,74% x9/s1	3,24% x12/a2	3,22% x1/ra	3,13%	x9/s1	3,83%			8% x10/a0	0,87%		3,78% x12/a2					,53% x9/s1	2,315		.0
		3,21% x9/s1	2,84% x12/a2	3,71% x1/ra	3,24% x18/s2	3,09% x9/s1	3,08%	x12/a2	3,66%			1% x12/a2	0,79%		3,42% x27/s11					,84% x1/ra	2,249		1
		2,23% x18/s2	2,03% x18/s2	2,61% x18/s2	2,34% x13/a3	2,94% x18/s2	2,32%	x18/s2	2,66%			4% x21/s5		x18/s2	2,66% x1/ra					,74% x17/a7	1,555		.2
		1,99% x19/s3	1,72% x19/s3	2,06% x19/s3	2,06% x19/s3	2,23% x19/s3	2,05%	x19/s3	2,08%			1% x11/a1	0,33%		2,41% x31/t6					,64% x18/s2	1,399		.3
		1,52% x20/s4	1,22% x20/s4	1,54% x20/s4	1,47% x20/s4	1,62% x20/s4	1,53%	x20/s4	1,54%			1% x20/s4	0,25%		2,36% x5/t0					,64% x27/s11	1,219		4
		1,42% x21/s5	1,18% x21/s5	1,27% x21/s5	1,46% x21/s5	1,22% x21/s5	1,48%	x21/s5	1,27%		x26/s10 0,0		0,24%		1,68% x21/s5	2,02%				,53% x19/s3	1,069		.5
		1,40% x16/a6	1,13% x22/s6	1,10% x16/a6	1,36% x22/s6	0,90% x16/a6	1,39%	x22/s6	1,06%		x25/s9 0,0		0,02%		1,22% x9/s1					,36% x6/t1	1,035		ь
		1,21% x23/s7	1,01% x23/s7	0,98% x23/s7	1,25% x23/s7	0,85% x26/s10	1,22%	x23/s7	0,97%			8% x17/a7	0,00%		1,13% x19/s3					,20% x21/s5	0,989		./
		1,20% x22/s6	0,97% x24/s8	0,85% x26/s10	1,22% x6/t1	0,83% x17/a7	1,22%	x24/s8	0,84%		x27/s11 0,0		0,00%		1,07% x28/t3					,16% x20/s4	0,989		8
		1,15% x26/s10	0,96% x25/s9	0,80% x22/s6	1,19% x24/s8	0,74% x22/s6	1,22%	x25/s9	0,81%		x17/a7 0,0		0,00%		0,87% x20/s4					,14% x16/a6	0,675		.9
		1,15% x17/a7	0,95% x26/s10	0,74% x17/a7 0.70% x25/s9	1,18% x25/s9 1.15% x16/a6	0,68% x23/s7 0.64% x27/s11	1,17% 1.10%	x26/s10	0,75%		x24/s8 0,0 x22/s6 0.0		0,00%	x25/s9 x26/s10	0,79% x26/s10	1,21%				,99% x31/t6 .89% x28/t3	0,639		.0
		1,15% x25/s9 1.00% x27/s11	0,94% x27/s11 0.86% x16/a6	0,70% x25/s9 0.53% x27/s11	1,15% x16/a6 1.07% x26/s10	0,64% x27/s11 0.55% x25/s9	1,10%	x27/s11 x16/a6	0,70%	21 22	x22/s6 0,0 x6/t1 0.0		0,00%		0,69% x2/sp 0.58% x25/s9					,89% x28/t3 .88% x22/s6	0,619		1
		1,00% x2//s11 0.94% x24/s8	0,86% x16/a6 0.84% x17/a7	0,53% x2//s11 0.34% x24/s8	1,0/% x26/s10 1.02% x27/s11	0,55% x25/s9 0.51% x24/s8	1,09%	x16/a6 x6/t1	0,65%	22	x6/t1 0,0 x28/t3 0.0		0,00%	x24/s8 x27/s11	0,58% x25/s9 0,49% x18/s2					,88% x22/sb .87% x5/t0	0,575		2 16
		0,94% x24/s8 0,72% x6/t1	0,84% x1//a/ 0.62% x6/t1	0,34% x24/58 0.34% x6/t1	0.77% x27/s11	0,51% x24/s8 0.42% x6/t1	0.80%	xb/t1 x17/a7	0,49%	23	x28/t3 0,0 x21/s5 0,0		0,00%		0,49% x18/52 0.33% x29/t4					,8/% X5/tU .81% X26/s10	0,545	2:	4
		0,72% xb/t1 0,61% x28/t3	0,62% x6/f1 0,44% x28/t3	0,34% xb/t1 0,14% x28/t3	0,57% x1//a/ 0,57% x3/gp	0,42% xb/t1 0,34% x28/t3	0,80%	x1//a/ x3/gp	0,46%	24 25	x21/55 0,0 x23/57 0,0		0,00%		0,19% x29/t4 0,19% x30/t5	0,82%				,81% x26/s10 ,79% x24/s8	0,495	24	-
		0,61% x28/t3 0,52% x29/t4	0,44% x28/t3 0,29% x3/gp	0,14% x28/t3 0,13% x3/gp	0,57% x3/gp 0,54% x28/t3	0,34% x28/t3 0,18% x3/gp	0,59%	x3/gp x28/t3	0,21%	25 26	x23/5/ 0,0 x29/t4 0,0		0,00%		0,19% x30/t5 0,19% x22/s6					,79% x24/s8 ,70% x25/s9	0,485	25	6
		0,52% x29/t4 0,32% x4/tp	0,29% x3/gp 0,21% x29/t4	0,13% x3/gp 0,11% x29/t4	0,54% x28/t3 0,37% x29/t4	0,18% x3/gp 0,13% x29/t4	0,55%	x28/t3 x29/t4	0,20%	26 27	x29/t4 0,0 x31/t6 0,0		0,00%		0,19% x22/s6 0,18% x23/s7					,70% x25/s9 ,67% x29/t4	0,475	26	7
		0,32% x4/tp 0,23% x30/t5	0,21% x29/t4 0,20% x30/t5	0,11% x29/t4 0,08% x30/t5	0,37% x29/t4 0,26% x30/t5	0,13% x29/t4 0,08% x30/t5	0,42%	x29/t4 x30/t5	0,15%	28	x31/t6 0,0 x30/t5 0,0		0,00%	x5/t0 x31/t6	0,18% x23/s7 0,16% x16/a6	0,65%				,6/% x29/t4 ,42% x23/s7	0,465	21	0
				0,08% x30/t5 0,07% x4/tp	0,25% x30/t5 0,23% x31/t6	0,08% x30/t5 0,06% x31/t6	0,27%	x3U/t5 x31/t6	0,10%	28 29	x7/t2 0,0		0,00%	x31/tb x29/t4	0,15% x16/a6 0,13% x24/s8					,42% x23/s/ ,33% x3/gp	0,385	20	0
							0,24%	X31/10													0,325	25	
	x4/tp 0	0,23% x31/t6	0,18% x31/t6				0.2464	vE /+C													0.300		0
	x4/tp 0 x31/t6 0	0,22% x5/t0	0,13% x5/t0	0,05% x31/t6	0,23% x4/tp	0,05% x4/tp	0,21%	x5/t0	0,06%	30	x3/gp 0,0		0,00%	x7/t2	0,07% x7/t2					,29% x30/t5	0,269	30	0
	x4/tp 0 x31/t6 0 x7/t2 0						0,21% 0,17% 0.16%	x5/t0 x7/t2 x4/to	0,06% 0,05%	30 31	x3/gp 0,0 x5/t0 0,0 x4/to 0.0	1% x31/t6	0,00% 0,00% 0.00%	x7/t2 x4/tp x30/t5	0,07% x7/t2 0,06% x3/gp 0,06% x4/tn		x7/t2	0,03%	x7/t2 0	,29% x30/t5 ,14% x7/t2 ,00% x4/tn	0,269	30	1