

Test system: Pentium M 750, prime95 v29.4b7 32-bit

No interim res64 outputs

[Mar 2 22:04:42]	Iteration:	13580300 /	51253823 [26.49%]	ms/iter:	202.901 ETA:	88d	11:19
[Mar 2 22:05:03]	Iteration:	13580400 /	51253823 [26.49%]	ms/iter:	201.358 ETA:	87d	19:10
[Mar 2 22:05:23]	Iteration:	13580500 /	51253823 [26.49%]	ms/iter:	203.156 ETA:	88d	13:59
[Mar 2 22:05:44]	Iteration:	13580600 /	51253823 [26.49%]	ms/iter:	206.559 ETA:	90d	01:35
[Mar 2 22:06:04]	Iteration:	13580700 /	51253823 [26.49%]	ms/iter:	202.525 ETA:	88d	07:22
[Mar 2 22:06:24]	Iteration:	13580800 /	51253823 [26.49%]	ms/iter:	201.998 ETA:	88d	01:51
[Mar 2 22:06:44]	Iteration:	13580900 /	51253823 [26.49%]	ms/iter:	203.529 ETA:	88d	17:52
[Mar 2 22:07:05]	Iteration:	13581000 /	51253823 [26.49%]	ms/iter:	201.386 ETA:	87d	19:26
[Mar 2 22:07:25]	Iteration:	13581100 /	51253823 [26.49%]	ms/iter:	202.165 ETA:	88d	03:35
[Mar 2 22:07:45]	Iteration:	13581200 /	51253823 [26.49%]	ms/iter:	201.704 ETA:	87d	22:45
[Mar 2 22:08:05]	Iteration:	13581300 /	51253823 [26.49%]	ms/iter:	201.288 ETA:	87d	18:23
[Mar 2 22:08:25]	Iteration:	13581400 /	51253823 [26.49%]	ms/iter:	201.886 ETA:	88d	00:38
[Mar 2 22:08:45]	Iteration:	13581500 /	51253823 [26.49%]	ms/iter:	201.566 ETA:	87d	21:17
[Mar 2 22:09:06]	Iteration:	13581600 /	51253823 [26.49%]	ms/iter:	203.092 ETA:	88d	13:15
[Mar 2 22:09:26]	Iteration:	13581700 /	51253823 [26.49%]	ms/iter:	201.97 ETA:	88d	01:30
[Mar 2 22:09:46]	Iteration:	13581800 /	51253823 [26.49%]	ms/iter:	201.384 ETA:	87d	19:22
[Mar 2 22:10:06]	Iteration:	13581900 /	51253823 [26.49%]	ms/iter:	203.722 ETA:	88d	19:50
[Mar 2 22:10:27]	Iteration:	13582000 /	51253823 [26.49%]	ms/iter:	206.43 ETA:	90d	00:09
[Mar 2 22:10:47]	Iteration:	13582100 /	51253823 [26.49%]	ms/iter:	201.637 ETA:	87d	22:00
[Mar 2 22:11:08]	Iteration:	13582200 /	51253823 [26.49%]	ms/iter:	203.229 ETA:	88d	14:39
[Mar 2 22:11:28]	Iteration:	13582300 /	51253823 [26.50%]	ms/iter:	201.99 ETA:	88d	01:41
[Mar 2 22:11:48]	Iteration:	13582400 /	51253823 [26.50%]	ms/iter:	201.599 ETA:	87d	21:35
[Mar 2 22:12:08]	Iteration:	13582500 /	51253823 [26.50%]	ms/iter:	201.743 ETA:	87d	23:05
[Mar 2 22:12:28]	Iteration:	13582600 /	51253823 [26.50%]	ms/iter:	201.707 ETA:	87d	22:42
[Mar 2 22:12:49]	Iteration:	13582700 /	51253823 [26.50%]	ms/iter:	206.745 ETA:	90d	03:25
[Mar 2 22:13:09]	Iteration:	13582800 /	51253823 [26.50%]	ms/iter:	203.916 ETA:	88d	21:48
[Mar 2 22:13:29]	Iteration:	13582900 /	51253823 [26.50%]	ms/iter:	201.432 ETA:	87d	19:49
[Mar 2 22:13:50]	Iteration:	13583000 /	51253823 [26.50%]	ms/iter:	201.59 ETA:	87d	21:27
[Mar 2 22:14:10]	Iteration:	13583100 /	51253823 [26.50%]	ms/iter:	203.898 ETA:	88d	21:36
[Mar 2 22:14:30]	Iteration:	13583200 /	51253823 [26.50%]	ms/iter:	201.471 ETA:	87d	20:12
[Mar 2 22:14:50]	Iteration:	13583300 /	51253823 [26.50%]	ms/iter:	202.927 ETA:	88d	11:26

Baseline timing average of the above sample 202.661 msec/iter

A 51M DC takes about 120.2 days on this old slow hardware

[Mar 2 22:18:12]	M51253823	interim	Wg1	residue	DB85E2720A3B6C30	at	iteration	13583500		
[Mar 2 22:18:13]	M51253823	interim	Wg1	residue	4894162D1B59F792	at	iteration	13583501		
[Mar 2 22:18:14]	M51253823	interim	Wg1	residue	B80D3908E98E5F18	at	iteration	13583502		
[Mar 2 22:18:35]	Iteration:	13583600 /		51253823 [26.50%]		ms/iter:	211.002 ETA:	91d	23:54	
[Mar 2 22:18:36]	M51253823	interim	Wg1	residue	5E30BBF789154A74	at	iteration	13583600		
[Mar 2 22:18:37]	M51253823	interim	Wg1	residue	5063ED41A5FD81B9	at	iteration	13583601		
[Mar 2 22:18:39]	M51253823	interim	Wg1	residue	C528F2A8085C17AC	at	iteration	13583602		
[Mar 2 22:18:59]	Iteration:	13583700 /		51253823 [26.50%]		ms/iter:	206.829 ETA:	90d	04:14	
[Mar 2 22:19:00]	M51253823	interim	Wg1	residue	BE0C56A51B13690F	at	iteration	13583700		
[Mar 2 22:19:01]	M51253823	interim	Wg1	residue	50C343B254763FFB	at	iteration	13583701		
[Mar 2 22:19:02]	M51253823	interim	Wg1	residue	A782D3AD725CFDEF	at	iteration	13583702		
[Mar 2 22:19:23]	Iteration:	13583800 /		51253823 [26.50%]		ms/iter:	206.573 ETA:	90d	01:33	
[Mar 2 22:19:24]	M51253823	interim	Wg1	residue	F10E9F5517A865A6	at	iteration	13583800		
[Mar 2 22:19:25]	M51253823	interim	Wg1	residue	61C4B5131B7A0812	at	iteration	13583801		
[Mar 2 22:19:26]	M51253823	interim	Wg1	residue	7AB5B16079C2EF91	at	iteration	13583802		
[Mar 2 22:19:47]	Iteration:	13583900 /		51253823 [26.50%]		ms/iter:	208.056 ETA:	90d	17:04	
[Mar 2 22:19:48]	M51253823	interim	Wg1	residue	41880F19499CE9FC	at	iteration	13583900		
[Mar 2 22:19:49]	M51253823	interim	Wg1	residue	F771AEA52846F089	at	iteration	13583901		
[Mar 2 22:19:50]	M51253823	interim	Wg1	residue	76B591E7B92D533A	at	iteration	13583902		
[Mar 2 22:20:11]	Iteration:	13584000 /		51253823 [26.50%]		ms/iter:	208.848 ETA:	91d	01:21	
[Mar 2 22:20:12]	M51253823	interim	Wg1	residue	780F32D9AC378AAA	at	iteration	13584000		
[Mar 2 22:20:13]	M51253823	interim	Wg1	residue	039839306FAA4327	at	iteration	13584001		
[Mar 2 22:20:14]	M51253823	interim	Wg1	residue	AD3B5A2135E89A74	at	iteration	13584002		
[Mar 2 22:20:34]	Iteration:	13584100 /		51253823 [26.50%]		ms/iter:	208.192 ETA:	90d	18:28	
[Mar 2 22:20:35]	M51253823	interim	Wg1	residue	2F3F9B15DEF14D4B	at	iteration	13584100		
[Mar 2 22:20:37]	M51253823	interim	Wg1	residue	0BC4DA45304FF7CF	at	iteration	13584101		
[Mar 2 22:20:38]	M51253823	interim	Wg1	residue	AB9820A02CAF7E59	at	iteration	13584102		
[Mar 2 22:20:58]	Iteration:	13584200 /		51253823 [26.50%]		ms/iter:	207.987 ETA:	90d	16:19	
[Mar 2 22:20:59]	M51253823	interim	Wg1	residue	A7141114CCB8C2FF	at	iteration	13584200		
[Mar 2 22:21:00]	M51253823	interim	Wg1	residue	83CB7D0B1699D499	at	iteration	13584201		
[Mar 2 22:21:02]	M51253823	interim	Wg1	residue	F3592A9A8115A642	at	iteration	13584202		
[Mar 2 22:21:22]	Iteration:	13584300 /		51253823 [26.50%]		ms/iter:	206.316 ETA:	89d	22:50	

average of the above sample 207.975
 difference per iteration on 100 of 3 res64s 5.314
 Times 100, divided by 3, for per res64: 177.1 estimated msec per res64 in this case
 Divided by per-iteration baseline time 0.874 ~7/8 of an iteration time

And there is reason to believe this res64 time could be improved

Check, 100 iters with res64s: 20797.5375 20266.13871 without 531.3988 Per 3 res64s; 177.13 msec / res64
 But, time of day shows about 1 second/iter with res64 output (vs 0.2 without) implying 800 msec / res64