

Static Instructions									
Optimization	Banner	Cal	Echo	Find	Half	Queens	Square	WC	Average
-U	1	.996	1	1	.944	1	1	1	.993
-UC	1	.996	1	1	.944	1	1	1	.993
-UCB	.988	.971	.991	.957	.944	.977	1	.989	.977
- UCBR	.988	.971	.991	.957	.944	.977	1	.989	.977
- UCBRO	.988	.971	.991	.957	.944	.977	1	.989	.977
- UCBROD	.853	.841	.852	.893	.833	.798	1	.891	.87
- UCBRODP	.818	.814	.834	.872	.805	.765	1	.881	.849
-UCBBRODPM	.837	.85	.843	.892	.805	.854	1	.951	.879
- UCBRODPME	.826	.792	.808	.836	.805	.748	1	.891	.838
-UCBRODPMEF	.779	.699	.747	.765	.75	.692	.95	.818	.775

Dynamic Instructions									
Optimization	Banner	Cal	Echo	Find	Half	Queens	Square	WC	Average
-U	1	1	1	1	1	1	1	1	1
-UC	.988	.979	1	1	1	1	1	.983	.993
-UCB	.98	.971	.982	.953	1	.97	1	.983	.98
- UCBR	.98	.971	.982	.953	1.117	.97	1	.983	.995
- UCBRO	.98	.971	.982	.953	1.117	.97	1	.983	.995
- UCBROD	.744	.86	.796	.843	.888	.802	1	.85	.848
- UCBRODP	.736	.817	.787	.792	.861	.765	1	.824	.823
-UCBBRODPM	.738	.818	.832	.802	.861	.812	1	.824	.836
- UCBRODPME	.727	.795	.725	.651	.861	.64	1	.737	.767
-UCBRODPMEF	.719	.703	.672	.583	.852	.596	.95	.656	.716

Memory References									
Optimization	Banner	Cal	Echo	Find	Half	Queens	Square	WC	Average
-U	1	1	1	1	1	1	1	1	1
-UC	1	1	1	1	1	1	1	1	1
-UCB	1	1	1	1	1	1	1	1	1
- UCBR	.119	.191	.358	.33	.437	.253	1	.494	.398
- UCBRO	.119	.191	.358	.33	.437	.253	1	.494	.398
- UCBROD	.119	.191	.358	.33	.437	.253	1	.494	.398
- UCBRODP	.119	.191	.358	.33	.437	.253	1	.494	.398
-UCBBRODPM	.119	.191	.358	.19	.437	.253	1	.494	.38
- UCBRODPME	.119	.191	.358	.19	.437	.253	1	.494	.38
-UCBRODPMEF	.119	.191	.358	.19	.437	.253	1	.494	.38