ORMBattle.NET test results

												LINQ imple	mentation
Fest name	Vinimum	Maximum	SqlClient	Entity Framework	LINQ to SQL	BLToolkit	Data Objects . Net	EntitySpaces	Lightspeed	VHibernate	OpenAccess	Subsonic	
LINQ implementation	2	2	رة.	- W		_ ω		- iii		2	0	- G	
•	0	-	n/a	0	0	4	0	n/a	2	2	2	2/2	f,a
Aggregates		5			0		0		3	3	2	n/a	
All/Any/Contains	0	6	n/a	3	1	6	0	n/a	6	4,2	4	n/a	f,a
Complex	0	6	n/a	1	0	6	0	n/a	6	6	5	n/a	f,a
Element operations	0	9	n/a	4	2	6	0	n/a	6	6	5	n/a	f,a
Filtering	0	12	n/a	4,2	2,2	1	0	n/a	5,5	6,1	2	n/a	f,a
Grouping	0	10	n/a	1	1	6	0	n/a	10	10,2	5	n/a	f,a
Join	0	4	n/a	1	0	4	0	n/a	4	4	2	n/a	f,a
	0	8		_	2	1	0			6	3		
Ordering			n/a	3,2				n/a	5,1			n/a	f,a
Projections	0	13	n/a	2	1	8	0	n/a	9,2	6,1	3	n/a	f,a
References	0	4	n/a	0	0	4	0	n/a	4	3	1	n/a	f,a
Set operations	0	9	n/a	0	0	5,1	0	n/a	5,1	6,2	4,1	n/a	f,a
Standard functions	0	21	n/a	9	1	13	0	n/a	8	16	6,1	n/a	f,a
Take/Skip	0	5	n/a	1	0	1	0	n/a	2,1	2,1	2	n/a	f,a
Type casts	0	5	n/a	1	1	3	0	n/a	3,1	4	2	n/a	f,a
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INQ Implementation total:													
·		117	_ /-	117	117	447	117	n/-	117	447	117	/-	
Performed		117	n/a	117	117	117	117	n/a	117	117	117	n/a	
Passed		117	n/a	87	106	49	117	n/a	41	35	71	n/a	
Failed		117	n/a	30	11	68	0	n/a	76	82	46	n/a	- 1
Properly	0	117	n/a	26	9	67	0	n/a	65	73	44	n/a	
Asserted	0	117	n/a	4	2	1	0	n/a	11	9	2	n/a	#
Score		100	n/a	74,4	90,6	41,9	100	n/a	35	29,9	60,7	n/a	9
Score	U	100	11/4	7-7,-1	30,0	71,3	100	11/4	33	23,3	00,7	11/4	
0-1													D t
Color bar							N. C.	Vorst result					Best resul
Units:													
f/a	total co	ount o	failed tests	[, count of te	sts failed w	ith assertion], less is bett	er (0 is ideal)					
#	count												
%	percen	tage (% of passed	tests), more i	s better								
		, ,		,,									
												1000 item	n sequence
							s.Net						
		dimum	lient	ty Framework	2 to SQL	oolkit	aObjects.Net	tySpaces	tspeed	bernate	inAccess		
Test name	Minimum	Maximum	sqlClient	entity Framework	INQ to SQL	3LToolkit	Oata Objects . Net	entitySpaces	ightspeed	VHibernate	OpenAccess	subsonic	hit Tight
	Minimum	Maximum	SqiClient	Entity Framework	LINQ to SQL	BLToolkit	DataObjects.Net	EntitySpaces	Lightspeed	NHibernate	OpenAccess	Subsonic	Z Z
CRUD Performance:		Maximum											
Test name CRUD Performance: Fetch	Minimum	Maximum	SqlClient	Entity Framework	100 to 201	BLToolkit	DataObjects.Net	Entity Spaces	Lightspeed	NHibernate	O pen Access	Subsonic	op/
CRUD Performance: Fetch Single Operation:	0	Maximum	18 738	4634	9280	13001	9433	7952	10444	7289	6611	8765	op/
CRUD Performance: Fetch Single Operation: Create Instance	0	Maximum	18 738 10 688	4634 4566	9280 3670	13001 11832	9433 7441	7952 2292	10444 4851	7289 3741	6611 9848	8765 4167	op/
CRUD Performance: Fetch Single Operation: Create Instance Update Instance	0 0	Maximum	18 738 10 688 15 379	4634 4566 3898	9280 3670 1493	13001 11832 11507	9433 7441 9948	7952 2292 1681	10444 4851 4955	7289 3741 871	9848 9609	8765 4167 4099	op/ op/
CRUD Performance: Fetch Single Operation: Create Instance	0 0 0	Maximum	18 738 10 688	4634 4566	9280 3670	13001 11832	9433 7441	7952 2292	10444 4851	7289 3741	6611 9848	8765 4167	op/ op/ op/
CRUD Performance: Fetch Single Operation: Create Instance Update Instance	0 0	Maximum	18 738 10 688 15 379	4634 4566 3898	9280 3670 1493	13001 11832 11507	9433 7441 9948	7952 2292 1681	10444 4851 4955	7289 3741 871	9848 9609	8765 4167 4099	op/ op/ op/
CRUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance	0 0 0	Maximum	18 738 10 688 15 379 16 281	4634 4566 3898 5955	9280 3670 1493 1670	13001 11832 11507 12047	9433 7441 9948 10785	7952 2292 1681 2646	10444 4851 4955 4776	7289 3741 871 1440	9848 9609 10936	8765 4167 4099 4354	op/ op/ op/
Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations:	0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635	4634 4566 3898 5955 4641	9280 3670 1493 1670 1942	13001 11832 11507 12047 11777	9433 7441 9948 10785 9147	7952 2292 1681 2646 2128	10444 4851 4955 4776 4859	7289 3741 871 1440 1421	9848 9609 10936 9959	4167 4099 4354 4105	op/ op/ op/ op/
Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance	0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779	4634 4566 3898 5955 4641	9280 3670 1493 1670 1942	13001 11832 11507 12047 11777	9433 7441 9948 10785 9147	7952 2292 1681 2646 2128	10444 4851 4955 4776 4859	7289 3741 871 1440 1421 20587	9848 9609 10936 9959	8765 4167 4099 4354 4105	op/ op/ op/ op/ op/
RUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance	0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662	4634 4566 3898 5955 4641 7915 6199	9280 3670 1493 1670 1942 4879 1687	13001 11832 11507 12047 11777 22748 64451	9433 7441 9948 10785 9147 14988 33320	7952 2292 1681 2646 2128 5463 8808	10444 4851 4955 4776 4859 12649 27537	7289 3741 871 1440 1421 20587 17259	9848 9609 10936 9959 10197 15497	8765 4167 4099 4354 4105 4010 4154	op/ op/ op/ op/ op/
RUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance Remove Instance	0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219	4634 4566 3898 5955 4641 7915 6199 9365	9280 3670 1493 1670 1942 4879 1687 1841	13001 11832 11507 12047 11777 22748 64451 79514	9433 7441 9948 10785 9147 14988 33320 42499	7952 2292 1681 2646 2128 5463 8808 12084	10444 4851 4955 4776 4859 12649 27537 26199	7289 3741 871 1440 1421 20587 17259 18551	9848 9609 10936 9959 10197 15497 24022	8765 4167 4099 4354 4105 4010 4154 4472	op/ op/ op/ op/ op/ op/ op/
RUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance	0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662	4634 4566 3898 5955 4641 7915 6199	9280 3670 1493 1670 1942 4879 1687	13001 11832 11507 12047 11777 22748 64451	9433 7441 9948 10785 9147 14988 33320	7952 2292 1681 2646 2128 5463 8808	10444 4851 4955 4776 4859 12649 27537	7289 3741 871 1440 1421 20587 17259	9848 9609 10936 9959 10197 15497	8765 4167 4099 4354 4105 4010 4154	op/ op/ op/ op/ op/ op/ op/
RUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance CUD Average Remove Instance CUD Average	0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219	4634 4566 3898 5955 4641 7915 6199 9365	9280 3670 1493 1670 1942 4879 1687 1841	13001 11832 11507 12047 11777 22748 64451 79514	9433 7441 9948 10785 9147 14988 33320 42499	7952 2292 1681 2646 2128 5463 8808 12084	10444 4851 4955 4776 4859 12649 27537 26199	7289 3741 871 1440 1421 20587 17259 18551	9848 9609 10936 9959 10197 15497 24022	8765 4167 4099 4354 4105 4010 4154 4472	op/ op/ op/ op/ op/ op/ op/
RUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance Update Instance CUD Average	0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219	4634 4566 3898 5955 4641 7915 6199 9365	9280 3670 1493 1670 1942 4879 1687 1841	13001 11832 11507 12047 11777 22748 64451 79514	9433 7441 9948 10785 9147 14988 33320 42499	7952 2292 1681 2646 2128 5463 8808 12084	10444 4851 4955 4776 4859 12649 27537 26199	7289 3741 871 1440 1421 20587 17259 18551	9848 9609 10936 9959 10197 15497 24022	8765 4167 4099 4354 4105 4010 4154 4472	op/ op/ op/ op/ op/ op/ op/
RUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance Update Instance CUD Average Data Access Performance: Query:	0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219	4634 4566 3898 5955 4641 7915 6199 9365 6997	9280 3670 1493 1670 1942 4879 1687 1841 2232	13001 11832 11507 12047 11777 22748 64451 79514 41583	9433 7441 9948 10785 9147 14988 33320 42499 24729	7952 2292 1681 2646 2128 5463 8808 12084 7880	10444 4851 4955 4776 4859 12649 27537 26199 19538	7289 3741 871 1440 1421 20587 17259 18551 18623	6611 9848 9609 10936 9959 10197 15497 24022 14579	4167 4099 4354 4105 4010 4154 4472 4167	op/ op/ op/ op/ op/ op/ op/
Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance CUD Average Data Access Performance: Query: LINQ Query	0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219	4634 4566 3898 5955 4641 7915 6199 9365 6997	9280 3670 1493 1670 1942 4879 1687 1841 2232	13001 11832 11507 12047 11777 22748 64451 79514 41583	9433 7441 9948 10785 9147 14988 33320 42499 24729	7952 2292 1681 2646 2128 5463 8808 12084 7880	10444 4851 4955 4776 4859 12649 27537 26199 19538	7289 3741 871 1440 1421 20587 17259 18551 18623	6611 9848 9609 10936 9959 10197 15497 24022 14579	8765 4167 4099 4354 4105 4010 4154 4472 4167	op/ op/ op/ op/ op/ op/ op/ op/
RUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance CUD Average Average Update Instance CUD Average Data Access Performance: Query: LINQ Query Compiled LINQ Query	0 0 0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219	4634 4566 3898 5955 4641 7915 6199 9365 6997	9280 3670 1493 1670 1942 4879 1687 1841 2232 835 9114	13001 11832 11507 12047 11777 22748 64451 79514 41583	9433 7441 9948 10785 9147 14988 33320 42499 24729	7952 2292 1681 2646 2128 5463 8808 12084 7880	10444 4851 4955 4776 4859 12649 27537 26199 19538	7289 3741 871 1440 1421 20587 17259 18551 18623	6611 9848 9609 10936 9959 10197 15497 24022 14579 4168 4269	4167 4099 4354 4105 4010 4154 4472 4167	op/ op/ op/ op/ op/ op/ op/ op/ op/ op/
RUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance CUD Average Update Instance Remove Instance CUD Average Data Access Performance: Query: LINQ Query Compiled LINQ Query Native Query	0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219	4634 4566 3898 5955 4641 7915 6199 9365 6997	9280 3670 1493 1670 1942 4879 1687 1841 2232	13001 11832 11507 12047 11777 22748 64451 79514 41583	9433 7441 9948 10785 9147 14988 33320 42499 24729	7952 2292 1681 2646 2128 5463 8808 12084 7880	10444 4851 4955 4776 4859 12649 27537 26199 19538	7289 3741 871 1440 1421 20587 17259 18551 18623	6611 9848 9609 10936 9959 10197 15497 24022 14579	8765 4167 4099 4354 4105 4010 4154 4472 4167	op/ op/ op/ op/ op/ op/ op/ op/ op/ op/
CRUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance CUD Average Average Data Access Performance: Query: LINQ Query Compiled LINQ Query	0 0 0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219	4634 4566 3898 5955 4641 7915 6199 9365 6997	9280 3670 1493 1670 1942 4879 1687 1841 2232 835 9114	13001 11832 11507 12047 11777 22748 64451 79514 41583	9433 7441 9948 10785 9147 14988 33320 42499 24729	7952 2292 1681 2646 2128 5463 8808 12084 7880	10444 4851 4955 4776 4859 12649 27537 26199 19538	7289 3741 871 1440 1421 20587 17259 18551 18623	6611 9848 9609 10936 9959 10197 15497 24022 14579 4168 4269	4167 4099 4354 4105 4010 4154 4472 4167	op/ op/ op/ op/ op/ op/ op/ op/ op/ queries/
CRUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance CUD Average Example Operations: Create Instance Update Instance Update Instance Remove Instance CUD Average Data Access Performance: Query: LINQ Query Compiled LINQ Query Native Query	0 0 0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219	4634 4566 3898 5955 4641 7915 6199 9365 6997	9280 3670 1493 1670 1942 4879 1687 1841 2232 835 9114	13001 11832 11507 12047 11777 22748 64451 79514 41583	9433 7441 9948 10785 9147 14988 33320 42499 24729	7952 2292 1681 2646 2128 5463 8808 12084 7880	10444 4851 4955 4776 4859 12649 27537 26199 19538	7289 3741 871 1440 1421 20587 17259 18551 18623	6611 9848 9609 10936 9959 10197 15497 24022 14579 4168 4269	4167 4099 4354 4105 4010 4154 4472 4167	op/ op/ op/ op/ op/ op/ op/ op/ queries/ queries/
CRUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance Update Instance CUD Average Data Access Performance: Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only):	0 0 0 0 0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219 n/a n/a 18745	4634 4566 3898 5955 4641 7915 6199 9365 6997	9280 3670 1493 1670 1942 4879 1687 1841 2232 835 9114 9114	13001 11832 11507 12047 11777 22748 64451 79514 41583 8749 13222 17187	9433 7441 9948 10785 9147 14988 33320 42499 24729 1559 8046 10335	7952 2292 1681 2646 2128 5463 8808 12084 7880	10444 4851 4955 4776 4859 12649 27537 26199 19538 1290 1290 10424	7289 3741 871 1440 1421 20587 17259 18551 18623	6611 9848 9609 10936 9959 10197 15497 24022 14579 4168 4269 6590	8765 4167 4099 4354 4105 4010 4154 4472 4167 351 7312	op/ op/ op/ op/ op/ op/ op/ op/ op/ queries/ queries/ queries/
Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance Update Instance Update Instance Update Instance Update Instance Remove Instance CUD Average Data Access Performance: Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items)	0 0 0 0 0 0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219 n/a n/a 18745 n/a n/a	4634 4566 3898 5955 4641 7915 6199 9365 6997 450 6501 9728 5009 4494	9280 3670 1493 1670 1942 4879 1687 1841 2232 835 9114 9114 7736 7014	13001 11832 11507 12047 11777 22748 64451 79514 41583 8749 13222 17187 10625 9009	9433 7441 9948 10785 9147 14988 33320 42499 24729 1559 8046 10335 6199 5051	7952 2292 1681 2646 2128 5463 8808 12084 7880 933 2395 8465 2107 2312	10444 4851 4955 4776 4859 12649 27537 26199 19538 1290 1290 10424 1105 1175	7289 3741 871 1440 1421 20587 17259 18551 18623 1156 5494	6611 9848 9609 10936 9959 10197 15497 24022 14579 4168 4269 6590 3458 3130	8765 4167 4099 4354 4105 4010 4154 4472 4167 351 351 7312	op/ op/ op/ op/ op/ op/ op/ op/ op/ queries/ queries/ queries/ pages/ pages/
CRUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance Update Instance CUD Average Particular Instance CUD Average Cut Average Cota Access Performance: Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items)		Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219 n/a n/a 18745 n/a n/a	4634 4566 3898 5955 4641 7915 6199 9365 6997 450 6501 9728 5009 4494 3445	9280 3670 1493 1670 1942 4879 1687 1841 2232 835 9114 9114 7736 7014 5551	13001 11832 11507 12047 11777 22748 64451 79514 41583 8749 13222 17187 10625 9009 6132	9433 7441 9948 10785 9147 14988 33320 42499 24729 1559 8046 10335 6199 5051 3410	7952 2292 1681 2646 2128 5463 8808 12084 7880 933 2395 8465 2107 2312 1988	10444 4851 4955 4776 4859 12649 27537 26199 19538 1290 1290 10424 1105 1175 1043	7289 3741 871 1440 1421 20587 17259 18551 18623 1156 5494 907 726 564	6611 9848 9609 10936 9959 10197 15497 24022 14579 4168 4269 6590 3458 3130 2447	8765 4167 4099 4354 4105 4010 4154 4472 4167 351 351 7312 322 298 262	op/ op/ op/ op/ op/ op/ op/ op/ op/ op/
CRUD Performance: Fetch Single Operation: Create Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance Update Instance Update Instance CUD Average Data Access Performance: Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Huge Page (100 items)	0 0 0 0 0 0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219 n/a n/a 18745 n/a n/a	4634 4566 3898 5955 4641 7915 6199 9365 6997 450 6501 9728 5009 4494	9280 3670 1493 1670 1942 4879 1687 1841 2232 835 9114 9114 7736 7014	13001 11832 11507 12047 11777 22748 64451 79514 41583 8749 13222 17187 10625 9009	9433 7441 9948 10785 9147 14988 33320 42499 24729 1559 8046 10335 6199 5051	7952 2292 1681 2646 2128 5463 8808 12084 7880 933 2395 8465 2107 2312	10444 4851 4955 4776 4859 12649 27537 26199 19538 1290 1290 10424 1105 1175	7289 3741 871 1440 1421 20587 17259 18551 18623 1156 5494	6611 9848 9609 10936 9959 10197 15497 24022 14579 4168 4269 6590 3458 3130	8765 4167 4099 4354 4105 4010 4154 4472 4167 351 351 7312	op/ op/ op/ op/ op/ op/ op/ op/ op/ op/
CRUD Performance: Fetch Single Operation: Create Instance Remove Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Update Instance Remove Instance Update Instance Remove Instance CUD Average Data Access Performance: Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (50 items) Get Lurge Page (50 items) Get Huge Page (100 items) Materialization:	0 0 0 0 0 0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219 n/a n/a 18745 n/a n/a n/a	4634 4566 3898 5955 4641 7915 6199 9365 6997 450 6501 9728 5009 4494 3445 2493	9280 3670 1493 1670 1942 4879 1687 1841 2232 835 9114 9114 7736 7014 5551 4108	13001 11832 11507 12047 11777 22748 64451 79514 41583 8749 13222 17187 10625 9009 6132 4732	9433 7441 9948 10785 9147 14988 33320 42499 24729 8046 10335 6199 5051 3410 2236	7952 2292 1681 2646 2128 5463 8808 12084 7880 933 2395 8465 2107 2312 1988 1649	10444 4851 4955 4776 4859 12649 27537 26199 19538 1290 10424 1105 1175 1043 892	7289 3741 871 1440 1421 20587 17259 18551 18623 1156 1156 5494 907 726 564 369	6611 9848 9609 10936 9959 10197 15497 24022 14579 4168 4269 6590 3458 3130 2447 1803	8765 4167 4099 4354 4105 4010 4154 4472 4167 351 7312 298 262 208	op/ op/ op/ op/ op/ op/ op/ op/ op/ op/
Fetch Single Operation: Create Instance Update Instance Remove Instance Remove Instance Update Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Remove Instance CUD Average Data Access Performance: Query: LINQ Query LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINQ Materialize		Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219 n/a n/a 18745 n/a n/a n/a	4634 4566 3888 5955 4641 7915 6199 9365 6997 450 6501 9728 5009 4494 3445 2493	9280 3670 1493 1670 1942 4879 1687 1841 2232 835 9114 9114 7736 7014 5551 4108	13001 11832 11507 12047 11777 22748 64451 79514 41583 8749 13222 17187 10625 9009 6132 4732	9433 7441 9948 10785 9147 14988 33320 42499 24729 1559 8046 10335 6199 5051 3410 2236	7952 2292 1681 2646 2128 5463 8808 12084 7880 933 2395 8465 2107 2312 1988 1649	10444 4851 4955 4776 4859 12649 27537 26199 19538 1290 1290 10424 1105 1175 1043 892 390747	7289 3741 871 1440 1421 20587 17259 18551 18623 1156 5494 907 726 564 369	6611 9848 9609 10936 9959 10197 15497 24022 14579 4168 4269 6590 3458 3130 2447 1803	8765 4167 4099 4354 4105 4010 4154 4472 4167 351 351 7312 298 262 208	op/
RUD Performance: Fetch Single Operation: Create Instance Remove Instance Remove Instance CUD Average Multiple Operations: Create Instance Update Instance Remove Instance Update Instance Remove Instance CUD Average Data Access Performance: Query: LINQ Query LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Huge Page (100 items) Materialization:	0 0 0 0 0 0 0 0 0 0	Maximum	18 738 10 688 15 379 16 281 13 635 21 779 64 662 24 219 29 219 n/a n/a 18745 n/a n/a n/a	4634 4566 3898 5955 4641 7915 6199 9365 6997 450 6501 9728 5009 4494 3445 2493	9280 3670 1493 1670 1942 4879 1687 1841 2232 835 9114 9114 7736 7014 5551 4108	13001 11832 11507 12047 11777 22748 64451 79514 41583 8749 13222 17187 10625 9009 6132 4732	9433 7441 9948 10785 9147 14988 33320 42499 24729 8046 10335 6199 5051 3410 2236	7952 2292 1681 2646 2128 5463 8808 12084 7880 933 2395 8465 2107 2312 1988 1649	10444 4851 4955 4776 4859 12649 27537 26199 19538 1290 10424 1105 1175 1043 892	7289 3741 871 1440 1421 20587 17259 18551 18623 1156 1156 5494 907 726 564 369	6611 9848 9609 10936 9959 10197 15497 24022 14579 4168 4269 6590 3458 3130 2447 1803	8765 4167 4099 4354 4105 4010 4154 4472 4167 351 7312 298 262 208	op/ op/ op/ op/ op/ op/ op/ op/ op/ op/
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Result charts, page 1: Result charts, page 1:

Larger = better!

LINQ implementation score

of passing tests out of 100