Seconds

Number of Items	Number of Transactions (x10000)	FP Growth			New FP Growth		
		Time for 1st DB scan(s)	Time for mining with 2nd DB scan(s)	Total time(s)	Time for 1st DB scan(s)	Time for mining without 2nd DB scan(s)	Total time(s)
1	1	0.005284	0.030063	0.035347	4.642311	38.280339	42.92265
	5	0.759468	1.654519	2.413987	3.805805	39.004925	42.81073
	10	0.047271	0.931621	0.978892	3.935213	39.181218	43.116431
	50	1.150560	1.578380	2.728940	3.749621	38.104467	41.854088
	100	1.355186	3.318962	4.674148	3.515855	38.472821	41.988676
2	1	0.007266	0.045599	0.052865	4.323616	39.899828	44.223444
	5	0.031211	0.815281	0.846492	3.901515	39.098532	43.000047
	10	0.060578	0.328245	0.388823	4.045049	38.799143	42.844192
	50	0.929988	2.465082	3.39507	3.799792	39.360025	43.159817
	100	0.851098	3.947662	4.79876	3.299029	37.052258	40.351287
7	1	0.016745	2.107256	2.124001	4.589452	39.974353	44.563805
	5	0.070759	5.534523	5.605282	3.596223	38.585937	42.18216
	10	0.125754	6.351060	6.476814	4.089940	38.418112	42.508052
	50	1.178134	35.005443	36.183577	3.876174	38.577713	42.453887
	100	1.810166	40.649590	42.459756	3.569203	38.471611	42.040814
13	1	0.023739	30.869394	30.893133	3.844074	36.131663	39.975737
	5	0.109407	1495.664736	1495.77414	3.325896	37.135383	40.461279
	10	0.229147	1558.931990	1559.16113	3.709270	38.539893	42.249163
	50	1.577674	1803.046532	1804.62420	4.324835	38.067326	42.392161
	100	3.046375	3978.968727	3982.01510	6.200273	36.726959	42.927232

Comparison for Total Runtime

minsup=3

Time in Seconds

4000

3000

2000

1-Item DB   2-Item DB   7-Item DB   13-Item DB

1000

0

Number of Transactions (x10000)

1 5 10 50 100   1 5 10 50 100   1 5 10 50 100   1 5 10 50 100

Comparison of 1st DB Scan Time

minsup=3

7

Time in Seconds

5.25

3.5

1-Item DB   2-Item DB   7-Item DB   13-Item DB

1.75

0

Number of Transactions (x10000)

1 5 10 50 100   1 5 10 50 100   1 5 10 50 100   1 5 10 50 100

Comparison of Actual Mining Time

— FP Growth with 2nd DB scan   — New FP Growth without 2nd DB scan

Time in Seconds

4000

3000

2000

1000

0

minsup=3

1-Item DB   2-Item DB   7-Item DB   13-Item DB

1 5 10 50 100   1 5 10 50 100   1 5 10 50 100   1 5 10 50 100

Number of Transactions (x10000)