

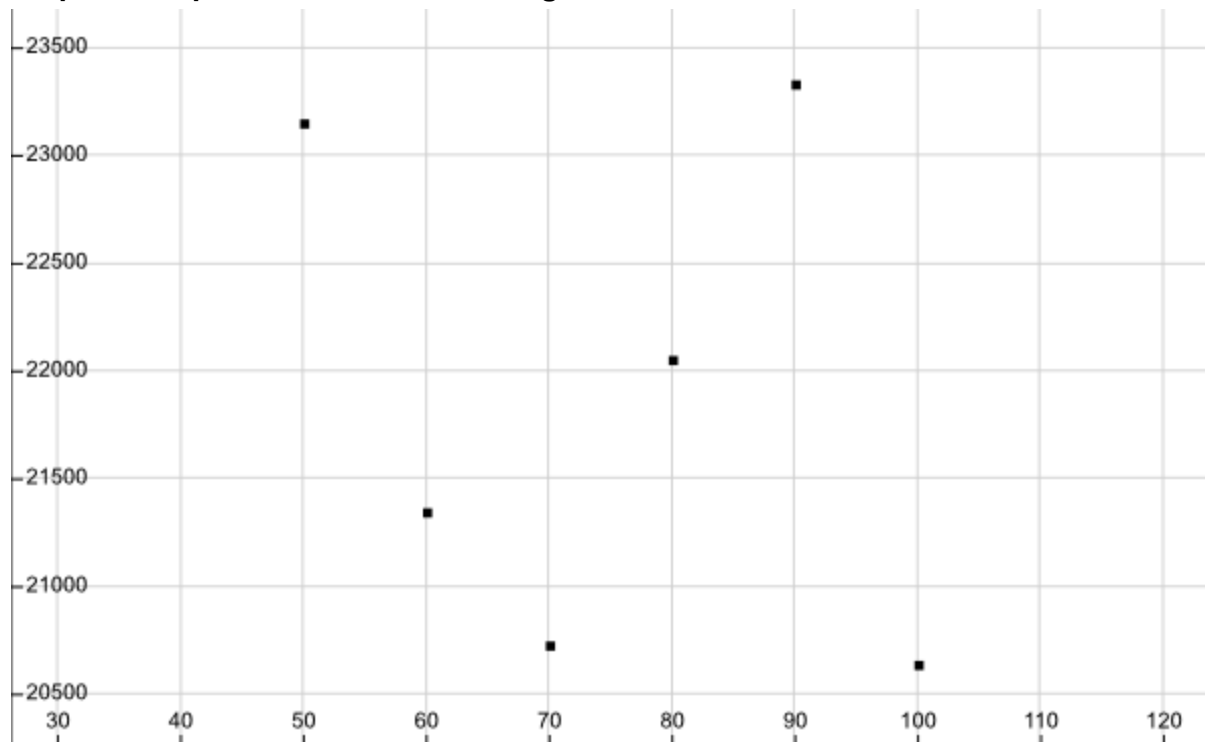
Configuration

Processor	Intel® Core™ i5-2450M CPU @ 2.50GHz × 4
RAM	2.0 GiB
$B(R)=T(R)/(BlockSize)$	$1000=100000/100$
$B(S)=T(S)/(BlockSize)$	$1200=120000/100$

Analysis

MainMemory Blocks (M)	Time for Sort-Merge Join (in MilliSeconds)	Time for Hash-Join (in MilliSeconds)
50	23,153	25,244
60	21,348	25,823
70	20,730	26,556
80	22,055	27,612
90	23,334	26,602
100	20,640	23,510

Graphical Representation of Sort-Merge Join



Graphical Representation of Hash-Join

