

4	"	"			
				<u>2</u>	<u>32</u>
				. A. Rajaraman, J. D. Ullman	
[1]	.	.			, 2015.
[2]	.	.			, 2015.
[2]	.	.			2016.

5	3.23	2	HDFS HDFS HDFS HDFS		GFS HDFS
6	3.30	2	MapReduce Map Reduce MapReduce		MapReduce
7	4.6	2	Bigtable HBase Bigtable HBase		Bigtable
8	4.13	2	Chubby Chubby Zookeeper Paxos Zookeeper		Chubby ZooKeeper
9	4.20				
10	4.27	2	--NoSQL CAP		CAP
11	5.4	2			
12	5.11	2	--		

13	5.18	2	Storm Storm	Storm	Storm
14	5.25	2	CMSketch (1+ ,)		
15	6.1	2	RDD	Spark	Spark
16	6.8	2	Pregel API	Pregel	
17	6.15	2			

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