20/02/29 00:29:20 WARN util.Utils: Your hostname, Snehs-MacBook-Pro.local resolves to a loopback address: 127.0.0.1; using 10.110.20.230 instead (on interface en0)

20/02/29 00:29:20 WARN util.Utils: Set SPARK\_LOCAL\_IP if you need to bind to another address

20/02/29 00:29:21 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

20/02/29 00:29:21 INFO spark.SparkContext: Running Spark version 2.4.5

20/02/29 00:29:21 INFO spark.SparkContext: Submitted application: RSjoinRDD

20/02/29 00:29:21 INFO spark.SecurityManager: Changing view acls to: snehgurdasani

20/02/29 00:29:21 INFO spark.SecurityManager: Changing modify acls to: snehgurdasani

20/02/29 00:29:21 INFO spark.SecurityManager: Changing view acls groups to:

20/02/29 00:29:21 INFO spark.SecurityManager: Changing modify acls groups to:

20/02/29 00:29:21 INFO spark.SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(snehgurdasani); groups with view permissions: Set(); users with modify permissions: Set(snehgurdasani); groups with modify permissions: Set()

20/02/29 00:29:21 INFO util.Utils: Successfully started service 'sparkDriver' on port 57685.

20/02/29 00:29:21 INFO spark.SparkEnv: Registering MapOutputTracker

20/02/29 00:29:21 INFO spark.SparkEnv: Registering BlockManagerMaster

20/02/29 00:29:21 INFO storage.BlockManagerMasterEndpoint: Using org.apache.spark.storage.DefaultTopologyMapper for getting topology information

20/02/29 00:29:21 INFO storage.BlockManagerMasterEndpoint: BlockManagerMasterEndpoint up

20/02/29 00:29:21 INFO storage.DiskBlockManager: Created local directory at /private/var/folders/nj/f9l6vhs50h975cdq0gphfn500000gn/T/blockmgr-fe6d77c5-8ad4-45e4-9e58-ecc1aab483e8

20/02/29 00:29:22 INFO memory.MemoryStore: MemoryStore started with capacity 366.3 MB

20/02/29 00:29:22 INFO spark.SparkEnv: Registering OutputCommitCoordinator

20/02/29 00:29:22 INFO util.log: Logging initialized @3223ms

20/02/29 00:29:22 INFO server.Server: jetty-9.3.z-SNAPSHOT, build timestamp: unknown, git hash: unknown

20/02/29 00:29:22 INFO server.Server: Started @3311ms

20/02/29 00:29:22 INFO server.AbstractConnector: Started ServerConnector@6ab72419{HTTP/1.1,[http/1.1]}{0.0.0.0:4040}

20/02/29 00:29:22 INFO util.Utils: Successfully started service 'SparkUI' on port 4040.

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@1a6f5124{/jobs,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@781e7326{/jobs/json,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@22680f52{/jobs/job,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@39c11e6c{/jobs/job/json,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@324dcd31{/stages,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@503d56b5{/stages/json,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@72bca894{/stages/stage,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@2575f671{/stages/stage/json,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@329a1243{/stages/pool,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@ecf9fb3{/stages/pool/json,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@2d35442b{/storage,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@27f9e982{/storage/json,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@4593ff34{/storage/rdd,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@37d3d232{/storage/rdd/json,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@30c0ccff{/environment,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@581d969c{/environment/json,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@22db8f4{/executors,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@2b46a8c1{/executors/json,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@1d572e62{/executors/threadDump,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@29caf222{/executors/threadDump/json,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@46cf05f7{/static,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@7048f722{/,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@c074c0c{/api,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@58dea0a5{/jobs/job/kill,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@2a2bb0eb{/stages/stage/kill,null,AVAILABLE,@Spark}

20/02/29 00:29:22 INFO ui.SparkUI: Bound SparkUI to 0.0.0.0, and started at http://10.110.20.230:4040

20/02/29 00:29:22 INFO spark.SparkContext: Added JAR file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/spark-demo.jar at spark://10.110.20.230:57685/jars/spark-demo.jar with timestamp 1582954162383

20/02/29 00:29:22 INFO executor.Executor: Starting executor ID driver on host localhost

20/02/29 00:29:22 INFO util.Utils: Successfully started service 'org.apache.spark.network.netty.NettyBlockTransferService' on port 57686.

20/02/29 00:29:22 INFO netty.NettyBlockTransferService: Server created on 10.110.20.230:57686

20/02/29 00:29:22 INFO storage.BlockManager: Using org.apache.spark.storage.RandomBlockReplicationPolicy for block replication policy

20/02/29 00:29:22 INFO storage.BlockManagerMaster: Registering BlockManager BlockManagerId(driver, 10.110.20.230, 57686, None)

20/02/29 00:29:22 INFO storage.BlockManagerMasterEndpoint: Registering block manager 10.110.20.230:57686 with 366.3 MB RAM, BlockManagerId(driver, 10.110.20.230, 57686, None)

20/02/29 00:29:22 INFO storage.BlockManagerMaster: Registered BlockManager BlockManagerId(driver, 10.110.20.230, 57686, None)

20/02/29 00:29:22 INFO storage.BlockManager: Initialized BlockManager: BlockManagerId(driver, 10.110.20.230, 57686, None)

20/02/29 00:29:22 INFO handler.ContextHandler: Started o.s.j.s.ServletContextHandler@5c20ffa8{/metrics/json,null,AVAILABLE,@Spark}

20/02/29 00:29:23 INFO memory.MemoryStore: Block broadcast\_0 stored as values in memory (estimated size 331.2 KB, free 366.0 MB)

20/02/29 00:29:23 INFO memory.MemoryStore: Block broadcast\_0\_piece0 stored as bytes in memory (estimated size 27.9 KB, free 365.9 MB)

20/02/29 00:29:23 INFO storage.BlockManagerInfo: Added broadcast\_0\_piece0 in memory on 10.110.20.230:57686 (size: 27.9 KB, free: 366.3 MB)

20/02/29 00:29:23 INFO spark.SparkContext: Created broadcast 0 from textFile at RSjoinRDD.scala:27

20/02/29 00:29:23 INFO mapred.FileInputFormat: Total input files to process : 1

20/02/29 00:29:23 INFO spark.SparkContext: Starting job: count at RSjoinRDD.scala:39

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Registering RDD 8 (map at RSjoinRDD.scala:34) as input to shuffle 3

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Registering RDD 5 (filter at RSjoinRDD.scala:31) as input to shuffle 1

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Registering RDD 3 (filter at RSjoinRDD.scala:28) as input to shuffle 0

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Registering RDD 12 (map at RSjoinRDD.scala:37) as input to shuffle 2

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Got job 0 (count at RSjoinRDD.scala:39) with 40 output partitions

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Final stage: ResultStage 4 (count at RSjoinRDD.scala:39)

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Parents of final stage: List(ShuffleMapStage 0, ShuffleMapStage 3)

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Missing parents: List(ShuffleMapStage 0, ShuffleMapStage 3)

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Submitting ShuffleMapStage 0 (MapPartitionsRDD[8] at map at RSjoinRDD.scala:34), which has no missing parents

20/02/29 00:29:23 INFO memory.MemoryStore: Block broadcast\_1 stored as values in memory (estimated size 5.2 KB, free 365.9 MB)

20/02/29 00:29:23 INFO memory.MemoryStore: Block broadcast\_1\_piece0 stored as bytes in memory (estimated size 2.9 KB, free 365.9 MB)

20/02/29 00:29:23 INFO storage.BlockManagerInfo: Added broadcast\_1\_piece0 in memory on 10.110.20.230:57686 (size: 2.9 KB, free: 366.3 MB)

20/02/29 00:29:23 INFO spark.SparkContext: Created broadcast 1 from broadcast at DAGScheduler.scala:1163

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Submitting 40 missing tasks from ShuffleMapStage 0 (MapPartitionsRDD[8] at map at RSjoinRDD.scala:34) (first 15 tasks are for partitions Vector(0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14))

20/02/29 00:29:23 INFO scheduler.TaskSchedulerImpl: Adding task set 0.0 with 40 tasks

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Submitting ShuffleMapStage 1 (MapPartitionsRDD[5] at filter at RSjoinRDD.scala:31), which has no missing parents

20/02/29 00:29:23 INFO memory.MemoryStore: Block broadcast\_2 stored as values in memory (estimated size 5.0 KB, free 365.9 MB)

20/02/29 00:29:23 INFO memory.MemoryStore: Block broadcast\_2\_piece0 stored as bytes in memory (estimated size 2.9 KB, free 365.9 MB)

20/02/29 00:29:23 INFO storage.BlockManagerInfo: Added broadcast\_2\_piece0 in memory on 10.110.20.230:57686 (size: 2.9 KB, free: 366.3 MB)

20/02/29 00:29:23 INFO spark.SparkContext: Created broadcast 2 from broadcast at DAGScheduler.scala:1163

20/02/29 00:29:23 INFO scheduler.DAGScheduler: Submitting 40 missing tasks from ShuffleMapStage 1 (MapPartitionsRDD[5] at filter at RSjoinRDD.scala:31) (first 15 tasks are for partitions Vector(0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14))

20/02/29 00:29:23 INFO scheduler.TaskSchedulerImpl: Adding task set 1.0 with 40 tasks

20/02/29 00:29:24 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 0.0 (TID 0, localhost, executor driver, partition 0, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:24 INFO scheduler.DAGScheduler: Submitting ShuffleMapStage 2 (MapPartitionsRDD[3] at filter at RSjoinRDD.scala:28), which has no missing parents

20/02/29 00:29:24 INFO executor.Executor: Running task 0.0 in stage 0.0 (TID 0)

20/02/29 00:29:24 INFO memory.MemoryStore: Block broadcast\_3 stored as values in memory (estimated size 5.0 KB, free 365.9 MB)

20/02/29 00:29:24 INFO executor.Executor: Fetching spark://10.110.20.230:57685/jars/spark-demo.jar with timestamp 1582954162383

20/02/29 00:29:24 INFO memory.MemoryStore: Block broadcast\_3\_piece0 stored as bytes in memory (estimated size 2.9 KB, free 365.9 MB)

20/02/29 00:29:24 INFO storage.BlockManagerInfo: Added broadcast\_3\_piece0 in memory on 10.110.20.230:57686 (size: 2.9 KB, free: 366.3 MB)

20/02/29 00:29:24 INFO spark.SparkContext: Created broadcast 3 from broadcast at DAGScheduler.scala:1163

20/02/29 00:29:24 INFO scheduler.DAGScheduler: Submitting 40 missing tasks from ShuffleMapStage 2 (MapPartitionsRDD[3] at filter at RSjoinRDD.scala:28) (first 15 tasks are for partitions Vector(0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14))

20/02/29 00:29:24 INFO scheduler.TaskSchedulerImpl: Adding task set 2.0 with 40 tasks

20/02/29 00:29:24 INFO client.TransportClientFactory: Successfully created connection to /10.110.20.230:57685 after 40 ms (0 ms spent in bootstraps)

20/02/29 00:29:24 INFO util.Utils: Fetching spark://10.110.20.230:57685/jars/spark-demo.jar to /private/var/folders/nj/f9l6vhs50h975cdq0gphfn500000gn/T/spark-9b4dbf4d-89f2-4e06-98da-05fb0db6ad24/userFiles-3e1b6ad2-b9da-4817-bca0-735ae6dcc6c6/fetchFileTemp7391606664785458909.tmp

20/02/29 00:29:24 INFO executor.Executor: Adding file:/private/var/folders/nj/f9l6vhs50h975cdq0gphfn500000gn/T/spark-9b4dbf4d-89f2-4e06-98da-05fb0db6ad24/userFiles-3e1b6ad2-b9da-4817-bca0-735ae6dcc6c6/spark-demo.jar to class loader

20/02/29 00:29:24 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:0+33554432

20/02/29 00:29:25 INFO executor.Executor: Finished task 0.0 in stage 0.0 (TID 0). 1070 bytes result sent to driver

20/02/29 00:29:25 INFO scheduler.TaskSetManager: Starting task 1.0 in stage 0.0 (TID 1, localhost, executor driver, partition 1, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:25 INFO executor.Executor: Running task 1.0 in stage 0.0 (TID 1)

20/02/29 00:29:25 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 0.0 (TID 0) in 1637 ms on localhost (executor driver) (1/40)

20/02/29 00:29:25 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:33554432+33554432

20/02/29 00:29:26 INFO executor.Executor: Finished task 1.0 in stage 0.0 (TID 1). 1027 bytes result sent to driver

20/02/29 00:29:26 INFO scheduler.TaskSetManager: Starting task 2.0 in stage 0.0 (TID 2, localhost, executor driver, partition 2, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:26 INFO executor.Executor: Running task 2.0 in stage 0.0 (TID 2)

20/02/29 00:29:26 INFO scheduler.TaskSetManager: Finished task 1.0 in stage 0.0 (TID 1) in 1037 ms on localhost (executor driver) (2/40)

20/02/29 00:29:26 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:67108864+33554432

20/02/29 00:29:27 INFO executor.Executor: Finished task 2.0 in stage 0.0 (TID 2). 1027 bytes result sent to driver

20/02/29 00:29:27 INFO scheduler.TaskSetManager: Starting task 3.0 in stage 0.0 (TID 3, localhost, executor driver, partition 3, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:27 INFO executor.Executor: Running task 3.0 in stage 0.0 (TID 3)

20/02/29 00:29:27 INFO scheduler.TaskSetManager: Finished task 2.0 in stage 0.0 (TID 2) in 930 ms on localhost (executor driver) (3/40)

20/02/29 00:29:27 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:100663296+33554432

20/02/29 00:29:28 INFO executor.Executor: Finished task 3.0 in stage 0.0 (TID 3). 1027 bytes result sent to driver

20/02/29 00:29:28 INFO scheduler.TaskSetManager: Starting task 4.0 in stage 0.0 (TID 4, localhost, executor driver, partition 4, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:28 INFO executor.Executor: Running task 4.0 in stage 0.0 (TID 4)

20/02/29 00:29:28 INFO scheduler.TaskSetManager: Finished task 3.0 in stage 0.0 (TID 3) in 924 ms on localhost (executor driver) (4/40)

20/02/29 00:29:28 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:134217728+33554432

20/02/29 00:29:29 INFO executor.Executor: Finished task 4.0 in stage 0.0 (TID 4). 1027 bytes result sent to driver

20/02/29 00:29:29 INFO scheduler.TaskSetManager: Starting task 5.0 in stage 0.0 (TID 5, localhost, executor driver, partition 5, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:29 INFO executor.Executor: Running task 5.0 in stage 0.0 (TID 5)

20/02/29 00:29:29 INFO scheduler.TaskSetManager: Finished task 4.0 in stage 0.0 (TID 4) in 919 ms on localhost (executor driver) (5/40)

20/02/29 00:29:29 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:167772160+33554432

20/02/29 00:29:30 INFO executor.Executor: Finished task 5.0 in stage 0.0 (TID 5). 1070 bytes result sent to driver

20/02/29 00:29:30 INFO scheduler.TaskSetManager: Starting task 6.0 in stage 0.0 (TID 6, localhost, executor driver, partition 6, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:30 INFO executor.Executor: Running task 6.0 in stage 0.0 (TID 6)

20/02/29 00:29:30 INFO scheduler.TaskSetManager: Finished task 5.0 in stage 0.0 (TID 5) in 937 ms on localhost (executor driver) (6/40)

20/02/29 00:29:30 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:201326592+33554432

20/02/29 00:29:31 INFO executor.Executor: Finished task 6.0 in stage 0.0 (TID 6). 1027 bytes result sent to driver

20/02/29 00:29:31 INFO scheduler.TaskSetManager: Starting task 7.0 in stage 0.0 (TID 7, localhost, executor driver, partition 7, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:31 INFO executor.Executor: Running task 7.0 in stage 0.0 (TID 7)

20/02/29 00:29:31 INFO scheduler.TaskSetManager: Finished task 6.0 in stage 0.0 (TID 6) in 900 ms on localhost (executor driver) (7/40)

20/02/29 00:29:31 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:234881024+33554432

20/02/29 00:29:32 INFO executor.Executor: Finished task 7.0 in stage 0.0 (TID 7). 1027 bytes result sent to driver

20/02/29 00:29:32 INFO scheduler.TaskSetManager: Starting task 8.0 in stage 0.0 (TID 8, localhost, executor driver, partition 8, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:32 INFO executor.Executor: Running task 8.0 in stage 0.0 (TID 8)

20/02/29 00:29:32 INFO scheduler.TaskSetManager: Finished task 7.0 in stage 0.0 (TID 7) in 895 ms on localhost (executor driver) (8/40)

20/02/29 00:29:32 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:268435456+33554432

20/02/29 00:29:33 INFO executor.Executor: Finished task 8.0 in stage 0.0 (TID 8). 1027 bytes result sent to driver

20/02/29 00:29:33 INFO scheduler.TaskSetManager: Starting task 9.0 in stage 0.0 (TID 9, localhost, executor driver, partition 9, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:33 INFO executor.Executor: Running task 9.0 in stage 0.0 (TID 9)

20/02/29 00:29:33 INFO scheduler.TaskSetManager: Finished task 8.0 in stage 0.0 (TID 8) in 898 ms on localhost (executor driver) (9/40)

20/02/29 00:29:33 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:301989888+33554432

20/02/29 00:29:33 INFO executor.Executor: Finished task 9.0 in stage 0.0 (TID 9). 1027 bytes result sent to driver

20/02/29 00:29:33 INFO scheduler.TaskSetManager: Starting task 10.0 in stage 0.0 (TID 10, localhost, executor driver, partition 10, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:33 INFO executor.Executor: Running task 10.0 in stage 0.0 (TID 10)

20/02/29 00:29:33 INFO scheduler.TaskSetManager: Finished task 9.0 in stage 0.0 (TID 9) in 893 ms on localhost (executor driver) (10/40)

20/02/29 00:29:33 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:335544320+33554432

20/02/29 00:29:34 INFO executor.Executor: Finished task 10.0 in stage 0.0 (TID 10). 984 bytes result sent to driver

20/02/29 00:29:34 INFO scheduler.TaskSetManager: Starting task 11.0 in stage 0.0 (TID 11, localhost, executor driver, partition 11, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:34 INFO executor.Executor: Running task 11.0 in stage 0.0 (TID 11)

20/02/29 00:29:34 INFO scheduler.TaskSetManager: Finished task 10.0 in stage 0.0 (TID 10) in 896 ms on localhost (executor driver) (11/40)

20/02/29 00:29:34 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:369098752+33554432

20/02/29 00:29:35 INFO executor.Executor: Finished task 11.0 in stage 0.0 (TID 11). 1027 bytes result sent to driver

20/02/29 00:29:35 INFO scheduler.TaskSetManager: Starting task 12.0 in stage 0.0 (TID 12, localhost, executor driver, partition 12, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:35 INFO executor.Executor: Running task 12.0 in stage 0.0 (TID 12)

20/02/29 00:29:35 INFO scheduler.TaskSetManager: Finished task 11.0 in stage 0.0 (TID 11) in 918 ms on localhost (executor driver) (12/40)

20/02/29 00:29:35 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:402653184+33554432

20/02/29 00:29:36 INFO executor.Executor: Finished task 12.0 in stage 0.0 (TID 12). 1027 bytes result sent to driver

20/02/29 00:29:36 INFO scheduler.TaskSetManager: Starting task 13.0 in stage 0.0 (TID 13, localhost, executor driver, partition 13, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:36 INFO executor.Executor: Running task 13.0 in stage 0.0 (TID 13)

20/02/29 00:29:36 INFO scheduler.TaskSetManager: Finished task 12.0 in stage 0.0 (TID 12) in 976 ms on localhost (executor driver) (13/40)

20/02/29 00:29:36 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:436207616+33554432

20/02/29 00:29:37 INFO executor.Executor: Finished task 13.0 in stage 0.0 (TID 13). 1027 bytes result sent to driver

20/02/29 00:29:37 INFO scheduler.TaskSetManager: Starting task 14.0 in stage 0.0 (TID 14, localhost, executor driver, partition 14, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:37 INFO executor.Executor: Running task 14.0 in stage 0.0 (TID 14)

20/02/29 00:29:37 INFO scheduler.TaskSetManager: Finished task 13.0 in stage 0.0 (TID 13) in 1078 ms on localhost (executor driver) (14/40)

20/02/29 00:29:37 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:469762048+33554432

20/02/29 00:29:38 INFO executor.Executor: Finished task 14.0 in stage 0.0 (TID 14). 1027 bytes result sent to driver

20/02/29 00:29:38 INFO scheduler.TaskSetManager: Starting task 15.0 in stage 0.0 (TID 15, localhost, executor driver, partition 15, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:38 INFO executor.Executor: Running task 15.0 in stage 0.0 (TID 15)

20/02/29 00:29:38 INFO scheduler.TaskSetManager: Finished task 14.0 in stage 0.0 (TID 14) in 954 ms on localhost (executor driver) (15/40)

20/02/29 00:29:38 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:503316480+33554432

20/02/29 00:29:39 INFO executor.Executor: Finished task 15.0 in stage 0.0 (TID 15). 1027 bytes result sent to driver

20/02/29 00:29:39 INFO scheduler.TaskSetManager: Starting task 16.0 in stage 0.0 (TID 16, localhost, executor driver, partition 16, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:39 INFO executor.Executor: Running task 16.0 in stage 0.0 (TID 16)

20/02/29 00:29:39 INFO scheduler.TaskSetManager: Finished task 15.0 in stage 0.0 (TID 15) in 911 ms on localhost (executor driver) (16/40)

20/02/29 00:29:39 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:536870912+33554432

20/02/29 00:29:40 INFO executor.Executor: Finished task 16.0 in stage 0.0 (TID 16). 1027 bytes result sent to driver

20/02/29 00:29:40 INFO scheduler.TaskSetManager: Starting task 17.0 in stage 0.0 (TID 17, localhost, executor driver, partition 17, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:40 INFO executor.Executor: Running task 17.0 in stage 0.0 (TID 17)

20/02/29 00:29:40 INFO scheduler.TaskSetManager: Finished task 16.0 in stage 0.0 (TID 16) in 898 ms on localhost (executor driver) (17/40)

20/02/29 00:29:40 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:570425344+33554432

20/02/29 00:29:41 INFO executor.Executor: Finished task 17.0 in stage 0.0 (TID 17). 1027 bytes result sent to driver

20/02/29 00:29:41 INFO scheduler.TaskSetManager: Starting task 18.0 in stage 0.0 (TID 18, localhost, executor driver, partition 18, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:41 INFO executor.Executor: Running task 18.0 in stage 0.0 (TID 18)

20/02/29 00:29:41 INFO scheduler.TaskSetManager: Finished task 17.0 in stage 0.0 (TID 17) in 895 ms on localhost (executor driver) (18/40)

20/02/29 00:29:41 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:603979776+33554432

20/02/29 00:29:42 INFO executor.Executor: Finished task 18.0 in stage 0.0 (TID 18). 1027 bytes result sent to driver

20/02/29 00:29:42 INFO scheduler.TaskSetManager: Starting task 19.0 in stage 0.0 (TID 19, localhost, executor driver, partition 19, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:42 INFO executor.Executor: Running task 19.0 in stage 0.0 (TID 19)

20/02/29 00:29:42 INFO scheduler.TaskSetManager: Finished task 18.0 in stage 0.0 (TID 18) in 931 ms on localhost (executor driver) (19/40)

20/02/29 00:29:42 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:637534208+33554432

20/02/29 00:29:43 INFO executor.Executor: Finished task 19.0 in stage 0.0 (TID 19). 1027 bytes result sent to driver

20/02/29 00:29:43 INFO scheduler.TaskSetManager: Starting task 20.0 in stage 0.0 (TID 20, localhost, executor driver, partition 20, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:43 INFO executor.Executor: Running task 20.0 in stage 0.0 (TID 20)

20/02/29 00:29:43 INFO scheduler.TaskSetManager: Finished task 19.0 in stage 0.0 (TID 19) in 955 ms on localhost (executor driver) (20/40)

20/02/29 00:29:43 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:671088640+33554432

20/02/29 00:29:44 INFO executor.Executor: Finished task 20.0 in stage 0.0 (TID 20). 984 bytes result sent to driver

20/02/29 00:29:44 INFO scheduler.TaskSetManager: Starting task 21.0 in stage 0.0 (TID 21, localhost, executor driver, partition 21, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:44 INFO scheduler.TaskSetManager: Finished task 20.0 in stage 0.0 (TID 20) in 919 ms on localhost (executor driver) (21/40)

20/02/29 00:29:44 INFO executor.Executor: Running task 21.0 in stage 0.0 (TID 21)

20/02/29 00:29:44 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:704643072+33554432

20/02/29 00:29:45 INFO executor.Executor: Finished task 21.0 in stage 0.0 (TID 21). 1027 bytes result sent to driver

20/02/29 00:29:45 INFO scheduler.TaskSetManager: Starting task 22.0 in stage 0.0 (TID 22, localhost, executor driver, partition 22, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:45 INFO executor.Executor: Running task 22.0 in stage 0.0 (TID 22)

20/02/29 00:29:45 INFO scheduler.TaskSetManager: Finished task 21.0 in stage 0.0 (TID 21) in 919 ms on localhost (executor driver) (22/40)

20/02/29 00:29:45 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:738197504+33554432

20/02/29 00:29:46 INFO executor.Executor: Finished task 22.0 in stage 0.0 (TID 22). 1027 bytes result sent to driver

20/02/29 00:29:46 INFO scheduler.TaskSetManager: Starting task 23.0 in stage 0.0 (TID 23, localhost, executor driver, partition 23, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:46 INFO executor.Executor: Running task 23.0 in stage 0.0 (TID 23)

20/02/29 00:29:46 INFO scheduler.TaskSetManager: Finished task 22.0 in stage 0.0 (TID 22) in 1108 ms on localhost (executor driver) (23/40)

20/02/29 00:29:46 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:771751936+33554432

20/02/29 00:29:47 INFO executor.Executor: Finished task 23.0 in stage 0.0 (TID 23). 898 bytes result sent to driver

20/02/29 00:29:47 INFO scheduler.TaskSetManager: Starting task 24.0 in stage 0.0 (TID 24, localhost, executor driver, partition 24, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:47 INFO executor.Executor: Running task 24.0 in stage 0.0 (TID 24)

20/02/29 00:29:47 INFO scheduler.TaskSetManager: Finished task 23.0 in stage 0.0 (TID 23) in 976 ms on localhost (executor driver) (24/40)

20/02/29 00:29:47 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:805306368+33554432

20/02/29 00:29:48 INFO executor.Executor: Finished task 24.0 in stage 0.0 (TID 24). 898 bytes result sent to driver

20/02/29 00:29:48 INFO scheduler.TaskSetManager: Starting task 25.0 in stage 0.0 (TID 25, localhost, executor driver, partition 25, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:48 INFO executor.Executor: Running task 25.0 in stage 0.0 (TID 25)

20/02/29 00:29:48 INFO scheduler.TaskSetManager: Finished task 24.0 in stage 0.0 (TID 24) in 938 ms on localhost (executor driver) (25/40)

20/02/29 00:29:48 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:838860800+33554432

20/02/29 00:29:49 INFO executor.Executor: Finished task 25.0 in stage 0.0 (TID 25). 855 bytes result sent to driver

20/02/29 00:29:49 INFO scheduler.TaskSetManager: Starting task 26.0 in stage 0.0 (TID 26, localhost, executor driver, partition 26, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:49 INFO executor.Executor: Running task 26.0 in stage 0.0 (TID 26)

20/02/29 00:29:49 INFO scheduler.TaskSetManager: Finished task 25.0 in stage 0.0 (TID 25) in 947 ms on localhost (executor driver) (26/40)

20/02/29 00:29:49 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:872415232+33554432

20/02/29 00:29:50 INFO executor.Executor: Finished task 26.0 in stage 0.0 (TID 26). 898 bytes result sent to driver

20/02/29 00:29:50 INFO scheduler.TaskSetManager: Starting task 27.0 in stage 0.0 (TID 27, localhost, executor driver, partition 27, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:50 INFO executor.Executor: Running task 27.0 in stage 0.0 (TID 27)

20/02/29 00:29:50 INFO scheduler.TaskSetManager: Finished task 26.0 in stage 0.0 (TID 26) in 949 ms on localhost (executor driver) (27/40)

20/02/29 00:29:50 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:905969664+33554432

20/02/29 00:29:51 INFO executor.Executor: Finished task 27.0 in stage 0.0 (TID 27). 898 bytes result sent to driver

20/02/29 00:29:51 INFO scheduler.TaskSetManager: Starting task 28.0 in stage 0.0 (TID 28, localhost, executor driver, partition 28, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:51 INFO executor.Executor: Running task 28.0 in stage 0.0 (TID 28)

20/02/29 00:29:51 INFO scheduler.TaskSetManager: Finished task 27.0 in stage 0.0 (TID 27) in 937 ms on localhost (executor driver) (28/40)

20/02/29 00:29:51 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:939524096+33554432

20/02/29 00:29:51 INFO executor.Executor: Finished task 28.0 in stage 0.0 (TID 28). 898 bytes result sent to driver

20/02/29 00:29:51 INFO scheduler.TaskSetManager: Starting task 29.0 in stage 0.0 (TID 29, localhost, executor driver, partition 29, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:51 INFO executor.Executor: Running task 29.0 in stage 0.0 (TID 29)

20/02/29 00:29:51 INFO scheduler.TaskSetManager: Finished task 28.0 in stage 0.0 (TID 28) in 898 ms on localhost (executor driver) (29/40)

20/02/29 00:29:51 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:973078528+33554432

20/02/29 00:29:52 INFO executor.Executor: Finished task 29.0 in stage 0.0 (TID 29). 941 bytes result sent to driver

20/02/29 00:29:52 INFO scheduler.TaskSetManager: Starting task 30.0 in stage 0.0 (TID 30, localhost, executor driver, partition 30, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:52 INFO executor.Executor: Running task 30.0 in stage 0.0 (TID 30)

20/02/29 00:29:52 INFO scheduler.TaskSetManager: Finished task 29.0 in stage 0.0 (TID 29) in 901 ms on localhost (executor driver) (30/40)

20/02/29 00:29:52 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1006632960+33554432

20/02/29 00:29:53 INFO executor.Executor: Finished task 30.0 in stage 0.0 (TID 30). 898 bytes result sent to driver

20/02/29 00:29:53 INFO scheduler.TaskSetManager: Starting task 31.0 in stage 0.0 (TID 31, localhost, executor driver, partition 31, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:53 INFO executor.Executor: Running task 31.0 in stage 0.0 (TID 31)

20/02/29 00:29:53 INFO scheduler.TaskSetManager: Finished task 30.0 in stage 0.0 (TID 30) in 910 ms on localhost (executor driver) (31/40)

20/02/29 00:29:53 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1040187392+33554432

20/02/29 00:29:54 INFO executor.Executor: Finished task 31.0 in stage 0.0 (TID 31). 898 bytes result sent to driver

20/02/29 00:29:54 INFO scheduler.TaskSetManager: Starting task 32.0 in stage 0.0 (TID 32, localhost, executor driver, partition 32, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:54 INFO executor.Executor: Running task 32.0 in stage 0.0 (TID 32)

20/02/29 00:29:54 INFO scheduler.TaskSetManager: Finished task 31.0 in stage 0.0 (TID 31) in 920 ms on localhost (executor driver) (32/40)

20/02/29 00:29:54 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1073741824+33554432

20/02/29 00:29:55 INFO executor.Executor: Finished task 32.0 in stage 0.0 (TID 32). 941 bytes result sent to driver

20/02/29 00:29:55 INFO scheduler.TaskSetManager: Starting task 33.0 in stage 0.0 (TID 33, localhost, executor driver, partition 33, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:55 INFO executor.Executor: Running task 33.0 in stage 0.0 (TID 33)

20/02/29 00:29:55 INFO scheduler.TaskSetManager: Finished task 32.0 in stage 0.0 (TID 32) in 896 ms on localhost (executor driver) (33/40)

20/02/29 00:29:55 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1107296256+33554432

20/02/29 00:29:56 INFO executor.Executor: Finished task 33.0 in stage 0.0 (TID 33). 898 bytes result sent to driver

20/02/29 00:29:56 INFO scheduler.TaskSetManager: Starting task 34.0 in stage 0.0 (TID 34, localhost, executor driver, partition 34, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:56 INFO executor.Executor: Running task 34.0 in stage 0.0 (TID 34)

20/02/29 00:29:56 INFO scheduler.TaskSetManager: Finished task 33.0 in stage 0.0 (TID 33) in 903 ms on localhost (executor driver) (34/40)

20/02/29 00:29:56 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1140850688+33554432

20/02/29 00:29:57 INFO executor.Executor: Finished task 34.0 in stage 0.0 (TID 34). 898 bytes result sent to driver

20/02/29 00:29:57 INFO scheduler.TaskSetManager: Starting task 35.0 in stage 0.0 (TID 35, localhost, executor driver, partition 35, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:57 INFO executor.Executor: Running task 35.0 in stage 0.0 (TID 35)

20/02/29 00:29:57 INFO scheduler.TaskSetManager: Finished task 34.0 in stage 0.0 (TID 34) in 895 ms on localhost (executor driver) (35/40)

20/02/29 00:29:57 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1174405120+33554432

20/02/29 00:29:58 INFO executor.Executor: Finished task 35.0 in stage 0.0 (TID 35). 898 bytes result sent to driver

20/02/29 00:29:58 INFO scheduler.TaskSetManager: Starting task 36.0 in stage 0.0 (TID 36, localhost, executor driver, partition 36, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:58 INFO executor.Executor: Running task 36.0 in stage 0.0 (TID 36)

20/02/29 00:29:58 INFO scheduler.TaskSetManager: Finished task 35.0 in stage 0.0 (TID 35) in 891 ms on localhost (executor driver) (36/40)

20/02/29 00:29:58 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1207959552+33554432

20/02/29 00:29:59 INFO executor.Executor: Finished task 36.0 in stage 0.0 (TID 36). 898 bytes result sent to driver

20/02/29 00:29:59 INFO scheduler.TaskSetManager: Starting task 37.0 in stage 0.0 (TID 37, localhost, executor driver, partition 37, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:29:59 INFO executor.Executor: Running task 37.0 in stage 0.0 (TID 37)

20/02/29 00:29:59 INFO scheduler.TaskSetManager: Finished task 36.0 in stage 0.0 (TID 36) in 886 ms on localhost (executor driver) (37/40)

20/02/29 00:29:59 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1241513984+33554432

20/02/29 00:30:00 INFO executor.Executor: Finished task 37.0 in stage 0.0 (TID 37). 898 bytes result sent to driver

20/02/29 00:30:00 INFO scheduler.TaskSetManager: Starting task 38.0 in stage 0.0 (TID 38, localhost, executor driver, partition 38, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:00 INFO executor.Executor: Running task 38.0 in stage 0.0 (TID 38)

20/02/29 00:30:00 INFO scheduler.TaskSetManager: Finished task 37.0 in stage 0.0 (TID 37) in 917 ms on localhost (executor driver) (38/40)

20/02/29 00:30:00 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1275068416+33554432

20/02/29 00:30:00 INFO executor.Executor: Finished task 38.0 in stage 0.0 (TID 38). 898 bytes result sent to driver

20/02/29 00:30:00 INFO scheduler.TaskSetManager: Starting task 39.0 in stage 0.0 (TID 39, localhost, executor driver, partition 39, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:00 INFO executor.Executor: Running task 39.0 in stage 0.0 (TID 39)

20/02/29 00:30:00 INFO scheduler.TaskSetManager: Finished task 38.0 in stage 0.0 (TID 38) in 868 ms on localhost (executor driver) (39/40)

20/02/29 00:30:00 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1308622848+10658977

20/02/29 00:30:01 INFO executor.Executor: Finished task 39.0 in stage 0.0 (TID 39). 898 bytes result sent to driver

20/02/29 00:30:01 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 1.0 (TID 40, localhost, executor driver, partition 0, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:01 INFO executor.Executor: Running task 0.0 in stage 1.0 (TID 40)

20/02/29 00:30:01 INFO scheduler.TaskSetManager: Finished task 39.0 in stage 0.0 (TID 39) in 274 ms on localhost (executor driver) (40/40)

20/02/29 00:30:01 INFO scheduler.TaskSchedulerImpl: Removed TaskSet 0.0, whose tasks have all completed, from pool

20/02/29 00:30:01 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:0+33554432

20/02/29 00:30:01 INFO scheduler.DAGScheduler: ShuffleMapStage 0 (map at RSjoinRDD.scala:34) finished in 37.295 s

20/02/29 00:30:01 INFO scheduler.DAGScheduler: looking for newly runnable stages

20/02/29 00:30:01 INFO scheduler.DAGScheduler: running: Set(ShuffleMapStage 1, ShuffleMapStage 2)

20/02/29 00:30:01 INFO scheduler.DAGScheduler: waiting: Set(ShuffleMapStage 3, ResultStage 4)

20/02/29 00:30:01 INFO scheduler.DAGScheduler: failed: Set()

20/02/29 00:30:02 INFO executor.Executor: Finished task 0.0 in stage 1.0 (TID 40). 1027 bytes result sent to driver

20/02/29 00:30:02 INFO scheduler.TaskSetManager: Starting task 1.0 in stage 1.0 (TID 41, localhost, executor driver, partition 1, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:02 INFO executor.Executor: Running task 1.0 in stage 1.0 (TID 41)

20/02/29 00:30:02 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 1.0 (TID 40) in 965 ms on localhost (executor driver) (1/40)

20/02/29 00:30:02 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:33554432+33554432

20/02/29 00:30:03 INFO executor.Executor: Finished task 1.0 in stage 1.0 (TID 41). 1027 bytes result sent to driver

20/02/29 00:30:03 INFO scheduler.TaskSetManager: Starting task 2.0 in stage 1.0 (TID 42, localhost, executor driver, partition 2, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:03 INFO executor.Executor: Running task 2.0 in stage 1.0 (TID 42)

20/02/29 00:30:03 INFO scheduler.TaskSetManager: Finished task 1.0 in stage 1.0 (TID 41) in 892 ms on localhost (executor driver) (2/40)

20/02/29 00:30:03 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:67108864+33554432

20/02/29 00:30:03 INFO executor.Executor: Finished task 2.0 in stage 1.0 (TID 42). 1027 bytes result sent to driver

20/02/29 00:30:03 INFO scheduler.TaskSetManager: Starting task 3.0 in stage 1.0 (TID 43, localhost, executor driver, partition 3, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:03 INFO executor.Executor: Running task 3.0 in stage 1.0 (TID 43)

20/02/29 00:30:03 INFO scheduler.TaskSetManager: Finished task 2.0 in stage 1.0 (TID 42) in 895 ms on localhost (executor driver) (3/40)

20/02/29 00:30:03 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:100663296+33554432

20/02/29 00:30:04 INFO executor.Executor: Finished task 3.0 in stage 1.0 (TID 43). 1027 bytes result sent to driver

20/02/29 00:30:04 INFO scheduler.TaskSetManager: Starting task 4.0 in stage 1.0 (TID 44, localhost, executor driver, partition 4, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:04 INFO executor.Executor: Running task 4.0 in stage 1.0 (TID 44)

20/02/29 00:30:04 INFO scheduler.TaskSetManager: Finished task 3.0 in stage 1.0 (TID 43) in 896 ms on localhost (executor driver) (4/40)

20/02/29 00:30:04 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:134217728+33554432

20/02/29 00:30:05 INFO executor.Executor: Finished task 4.0 in stage 1.0 (TID 44). 1027 bytes result sent to driver

20/02/29 00:30:05 INFO scheduler.TaskSetManager: Starting task 5.0 in stage 1.0 (TID 45, localhost, executor driver, partition 5, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:05 INFO scheduler.TaskSetManager: Finished task 4.0 in stage 1.0 (TID 44) in 887 ms on localhost (executor driver) (5/40)

20/02/29 00:30:05 INFO executor.Executor: Running task 5.0 in stage 1.0 (TID 45)

20/02/29 00:30:05 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:167772160+33554432

20/02/29 00:30:06 INFO executor.Executor: Finished task 5.0 in stage 1.0 (TID 45). 1027 bytes result sent to driver

20/02/29 00:30:06 INFO scheduler.TaskSetManager: Starting task 6.0 in stage 1.0 (TID 46, localhost, executor driver, partition 6, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:06 INFO executor.Executor: Running task 6.0 in stage 1.0 (TID 46)

20/02/29 00:30:06 INFO scheduler.TaskSetManager: Finished task 5.0 in stage 1.0 (TID 45) in 889 ms on localhost (executor driver) (6/40)

20/02/29 00:30:06 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:201326592+33554432

20/02/29 00:30:07 INFO executor.Executor: Finished task 6.0 in stage 1.0 (TID 46). 1027 bytes result sent to driver

20/02/29 00:30:07 INFO scheduler.TaskSetManager: Starting task 7.0 in stage 1.0 (TID 47, localhost, executor driver, partition 7, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:07 INFO executor.Executor: Running task 7.0 in stage 1.0 (TID 47)

20/02/29 00:30:07 INFO scheduler.TaskSetManager: Finished task 6.0 in stage 1.0 (TID 46) in 858 ms on localhost (executor driver) (7/40)

20/02/29 00:30:07 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:234881024+33554432

20/02/29 00:30:08 INFO executor.Executor: Finished task 7.0 in stage 1.0 (TID 47). 1027 bytes result sent to driver

20/02/29 00:30:08 INFO scheduler.TaskSetManager: Starting task 8.0 in stage 1.0 (TID 48, localhost, executor driver, partition 8, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:08 INFO executor.Executor: Running task 8.0 in stage 1.0 (TID 48)

20/02/29 00:30:08 INFO scheduler.TaskSetManager: Finished task 7.0 in stage 1.0 (TID 47) in 860 ms on localhost (executor driver) (8/40)

20/02/29 00:30:08 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:268435456+33554432

20/02/29 00:30:09 INFO executor.Executor: Finished task 8.0 in stage 1.0 (TID 48). 1027 bytes result sent to driver

20/02/29 00:30:09 INFO scheduler.TaskSetManager: Starting task 9.0 in stage 1.0 (TID 49, localhost, executor driver, partition 9, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:09 INFO executor.Executor: Running task 9.0 in stage 1.0 (TID 49)

20/02/29 00:30:09 INFO scheduler.TaskSetManager: Finished task 8.0 in stage 1.0 (TID 48) in 855 ms on localhost (executor driver) (9/40)

20/02/29 00:30:09 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:301989888+33554432

20/02/29 00:30:10 INFO executor.Executor: Finished task 9.0 in stage 1.0 (TID 49). 1027 bytes result sent to driver

20/02/29 00:30:10 INFO scheduler.TaskSetManager: Starting task 10.0 in stage 1.0 (TID 50, localhost, executor driver, partition 10, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:10 INFO executor.Executor: Running task 10.0 in stage 1.0 (TID 50)

20/02/29 00:30:10 INFO scheduler.TaskSetManager: Finished task 9.0 in stage 1.0 (TID 49) in 864 ms on localhost (executor driver) (10/40)

20/02/29 00:30:10 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:335544320+33554432

20/02/29 00:30:10 INFO executor.Executor: Finished task 10.0 in stage 1.0 (TID 50). 1027 bytes result sent to driver

20/02/29 00:30:10 INFO scheduler.TaskSetManager: Starting task 11.0 in stage 1.0 (TID 51, localhost, executor driver, partition 11, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:10 INFO executor.Executor: Running task 11.0 in stage 1.0 (TID 51)

20/02/29 00:30:10 INFO scheduler.TaskSetManager: Finished task 10.0 in stage 1.0 (TID 50) in 858 ms on localhost (executor driver) (11/40)

20/02/29 00:30:10 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:369098752+33554432

20/02/29 00:30:11 INFO executor.Executor: Finished task 11.0 in stage 1.0 (TID 51). 984 bytes result sent to driver

20/02/29 00:30:11 INFO scheduler.TaskSetManager: Starting task 12.0 in stage 1.0 (TID 52, localhost, executor driver, partition 12, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:11 INFO executor.Executor: Running task 12.0 in stage 1.0 (TID 52)

20/02/29 00:30:11 INFO scheduler.TaskSetManager: Finished task 11.0 in stage 1.0 (TID 51) in 901 ms on localhost (executor driver) (12/40)

20/02/29 00:30:11 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:402653184+33554432

20/02/29 00:30:12 INFO executor.Executor: Finished task 12.0 in stage 1.0 (TID 52). 1027 bytes result sent to driver

20/02/29 00:30:12 INFO scheduler.TaskSetManager: Starting task 13.0 in stage 1.0 (TID 53, localhost, executor driver, partition 13, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:12 INFO executor.Executor: Running task 13.0 in stage 1.0 (TID 53)

20/02/29 00:30:12 INFO scheduler.TaskSetManager: Finished task 12.0 in stage 1.0 (TID 52) in 1011 ms on localhost (executor driver) (13/40)

20/02/29 00:30:12 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:436207616+33554432

20/02/29 00:30:13 INFO executor.Executor: Finished task 13.0 in stage 1.0 (TID 53). 984 bytes result sent to driver

20/02/29 00:30:13 INFO scheduler.TaskSetManager: Starting task 14.0 in stage 1.0 (TID 54, localhost, executor driver, partition 14, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:13 INFO executor.Executor: Running task 14.0 in stage 1.0 (TID 54)

20/02/29 00:30:13 INFO scheduler.TaskSetManager: Finished task 13.0 in stage 1.0 (TID 53) in 933 ms on localhost (executor driver) (14/40)

20/02/29 00:30:13 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:469762048+33554432

20/02/29 00:30:14 INFO executor.Executor: Finished task 14.0 in stage 1.0 (TID 54). 1027 bytes result sent to driver

20/02/29 00:30:14 INFO scheduler.TaskSetManager: Starting task 15.0 in stage 1.0 (TID 55, localhost, executor driver, partition 15, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:14 INFO executor.Executor: Running task 15.0 in stage 1.0 (TID 55)

20/02/29 00:30:14 INFO scheduler.TaskSetManager: Finished task 14.0 in stage 1.0 (TID 54) in 917 ms on localhost (executor driver) (15/40)

20/02/29 00:30:14 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:503316480+33554432

20/02/29 00:30:15 INFO executor.Executor: Finished task 15.0 in stage 1.0 (TID 55). 1027 bytes result sent to driver

20/02/29 00:30:15 INFO scheduler.TaskSetManager: Starting task 16.0 in stage 1.0 (TID 56, localhost, executor driver, partition 16, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:15 INFO executor.Executor: Running task 16.0 in stage 1.0 (TID 56)

20/02/29 00:30:15 INFO scheduler.TaskSetManager: Finished task 15.0 in stage 1.0 (TID 55) in 881 ms on localhost (executor driver) (16/40)

20/02/29 00:30:15 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:536870912+33554432

20/02/29 00:30:16 INFO executor.Executor: Finished task 16.0 in stage 1.0 (TID 56). 1027 bytes result sent to driver

20/02/29 00:30:16 INFO scheduler.TaskSetManager: Starting task 17.0 in stage 1.0 (TID 57, localhost, executor driver, partition 17, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:16 INFO executor.Executor: Running task 17.0 in stage 1.0 (TID 57)

20/02/29 00:30:16 INFO scheduler.TaskSetManager: Finished task 16.0 in stage 1.0 (TID 56) in 876 ms on localhost (executor driver) (17/40)

20/02/29 00:30:16 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:570425344+33554432

20/02/29 00:30:17 INFO executor.Executor: Finished task 17.0 in stage 1.0 (TID 57). 1027 bytes result sent to driver

20/02/29 00:30:17 INFO scheduler.TaskSetManager: Starting task 18.0 in stage 1.0 (TID 58, localhost, executor driver, partition 18, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:17 INFO executor.Executor: Running task 18.0 in stage 1.0 (TID 58)

20/02/29 00:30:17 INFO scheduler.TaskSetManager: Finished task 17.0 in stage 1.0 (TID 57) in 871 ms on localhost (executor driver) (18/40)

20/02/29 00:30:17 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:603979776+33554432

20/02/29 00:30:18 INFO executor.Executor: Finished task 18.0 in stage 1.0 (TID 58). 1027 bytes result sent to driver

20/02/29 00:30:18 INFO scheduler.TaskSetManager: Starting task 19.0 in stage 1.0 (TID 59, localhost, executor driver, partition 19, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:18 INFO executor.Executor: Running task 19.0 in stage 1.0 (TID 59)

20/02/29 00:30:18 INFO scheduler.TaskSetManager: Finished task 18.0 in stage 1.0 (TID 58) in 912 ms on localhost (executor driver) (19/40)

20/02/29 00:30:18 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:637534208+33554432

20/02/29 00:30:19 INFO executor.Executor: Finished task 19.0 in stage 1.0 (TID 59). 1027 bytes result sent to driver

20/02/29 00:30:19 INFO scheduler.TaskSetManager: Starting task 20.0 in stage 1.0 (TID 60, localhost, executor driver, partition 20, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:19 INFO executor.Executor: Running task 20.0 in stage 1.0 (TID 60)

20/02/29 00:30:19 INFO scheduler.TaskSetManager: Finished task 19.0 in stage 1.0 (TID 59) in 920 ms on localhost (executor driver) (20/40)

20/02/29 00:30:19 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:671088640+33554432

20/02/29 00:30:20 INFO executor.Executor: Finished task 20.0 in stage 1.0 (TID 60). 1027 bytes result sent to driver

20/02/29 00:30:20 INFO scheduler.TaskSetManager: Starting task 21.0 in stage 1.0 (TID 61, localhost, executor driver, partition 21, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:20 INFO executor.Executor: Running task 21.0 in stage 1.0 (TID 61)

20/02/29 00:30:20 INFO scheduler.TaskSetManager: Finished task 20.0 in stage 1.0 (TID 60) in 925 ms on localhost (executor driver) (21/40)

20/02/29 00:30:20 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:704643072+33554432

20/02/29 00:30:20 INFO executor.Executor: Finished task 21.0 in stage 1.0 (TID 61). 1027 bytes result sent to driver

20/02/29 00:30:20 INFO scheduler.TaskSetManager: Starting task 22.0 in stage 1.0 (TID 62, localhost, executor driver, partition 22, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:20 INFO executor.Executor: Running task 22.0 in stage 1.0 (TID 62)

20/02/29 00:30:20 INFO scheduler.TaskSetManager: Finished task 21.0 in stage 1.0 (TID 61) in 897 ms on localhost (executor driver) (22/40)

20/02/29 00:30:20 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:738197504+33554432

20/02/29 00:30:21 INFO executor.Executor: Finished task 22.0 in stage 1.0 (TID 62). 1027 bytes result sent to driver

20/02/29 00:30:21 INFO scheduler.TaskSetManager: Starting task 23.0 in stage 1.0 (TID 63, localhost, executor driver, partition 23, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:21 INFO executor.Executor: Running task 23.0 in stage 1.0 (TID 63)

20/02/29 00:30:21 INFO scheduler.TaskSetManager: Finished task 22.0 in stage 1.0 (TID 62) in 1022 ms on localhost (executor driver) (23/40)

20/02/29 00:30:21 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:771751936+33554432

20/02/29 00:30:22 INFO executor.Executor: Finished task 23.0 in stage 1.0 (TID 63). 898 bytes result sent to driver

20/02/29 00:30:22 INFO scheduler.TaskSetManager: Starting task 24.0 in stage 1.0 (TID 64, localhost, executor driver, partition 24, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:22 INFO executor.Executor: Running task 24.0 in stage 1.0 (TID 64)

20/02/29 00:30:22 INFO scheduler.TaskSetManager: Finished task 23.0 in stage 1.0 (TID 63) in 958 ms on localhost (executor driver) (24/40)

20/02/29 00:30:22 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:805306368+33554432

20/02/29 00:30:23 INFO executor.Executor: Finished task 24.0 in stage 1.0 (TID 64). 898 bytes result sent to driver

20/02/29 00:30:23 INFO scheduler.TaskSetManager: Starting task 25.0 in stage 1.0 (TID 65, localhost, executor driver, partition 25, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:23 INFO executor.Executor: Running task 25.0 in stage 1.0 (TID 65)

20/02/29 00:30:23 INFO scheduler.TaskSetManager: Finished task 24.0 in stage 1.0 (TID 64) in 911 ms on localhost (executor driver) (25/40)

20/02/29 00:30:23 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:838860800+33554432

20/02/29 00:30:24 INFO executor.Executor: Finished task 25.0 in stage 1.0 (TID 65). 855 bytes result sent to driver

20/02/29 00:30:24 INFO scheduler.TaskSetManager: Starting task 26.0 in stage 1.0 (TID 66, localhost, executor driver, partition 26, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:24 INFO executor.Executor: Running task 26.0 in stage 1.0 (TID 66)

20/02/29 00:30:24 INFO scheduler.TaskSetManager: Finished task 25.0 in stage 1.0 (TID 65) in 914 ms on localhost (executor driver) (26/40)

20/02/29 00:30:24 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:872415232+33554432

20/02/29 00:30:25 INFO executor.Executor: Finished task 26.0 in stage 1.0 (TID 66). 898 bytes result sent to driver

20/02/29 00:30:25 INFO scheduler.TaskSetManager: Starting task 27.0 in stage 1.0 (TID 67, localhost, executor driver, partition 27, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:25 INFO executor.Executor: Running task 27.0 in stage 1.0 (TID 67)

20/02/29 00:30:25 INFO scheduler.TaskSetManager: Finished task 26.0 in stage 1.0 (TID 66) in 918 ms on localhost (executor driver) (27/40)

20/02/29 00:30:25 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:905969664+33554432

20/02/29 00:30:26 INFO executor.Executor: Finished task 27.0 in stage 1.0 (TID 67). 898 bytes result sent to driver

20/02/29 00:30:26 INFO scheduler.TaskSetManager: Starting task 28.0 in stage 1.0 (TID 68, localhost, executor driver, partition 28, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:26 INFO executor.Executor: Running task 28.0 in stage 1.0 (TID 68)

20/02/29 00:30:26 INFO scheduler.TaskSetManager: Finished task 27.0 in stage 1.0 (TID 67) in 907 ms on localhost (executor driver) (28/40)

20/02/29 00:30:26 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:939524096+33554432

20/02/29 00:30:27 INFO executor.Executor: Finished task 28.0 in stage 1.0 (TID 68). 898 bytes result sent to driver

20/02/29 00:30:27 INFO scheduler.TaskSetManager: Starting task 29.0 in stage 1.0 (TID 69, localhost, executor driver, partition 29, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:27 INFO executor.Executor: Running task 29.0 in stage 1.0 (TID 69)

20/02/29 00:30:27 INFO scheduler.TaskSetManager: Finished task 28.0 in stage 1.0 (TID 68) in 862 ms on localhost (executor driver) (29/40)

20/02/29 00:30:27 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:973078528+33554432

20/02/29 00:30:28 INFO executor.Executor: Finished task 29.0 in stage 1.0 (TID 69). 898 bytes result sent to driver

20/02/29 00:30:28 INFO scheduler.TaskSetManager: Starting task 30.0 in stage 1.0 (TID 70, localhost, executor driver, partition 30, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:28 INFO executor.Executor: Running task 30.0 in stage 1.0 (TID 70)

20/02/29 00:30:28 INFO scheduler.TaskSetManager: Finished task 29.0 in stage 1.0 (TID 69) in 860 ms on localhost (executor driver) (30/40)

20/02/29 00:30:28 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1006632960+33554432

20/02/29 00:30:29 INFO executor.Executor: Finished task 30.0 in stage 1.0 (TID 70). 855 bytes result sent to driver

20/02/29 00:30:29 INFO scheduler.TaskSetManager: Starting task 31.0 in stage 1.0 (TID 71, localhost, executor driver, partition 31, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:29 INFO executor.Executor: Running task 31.0 in stage 1.0 (TID 71)

20/02/29 00:30:29 INFO scheduler.TaskSetManager: Finished task 30.0 in stage 1.0 (TID 70) in 878 ms on localhost (executor driver) (31/40)

20/02/29 00:30:29 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1040187392+33554432

20/02/29 00:30:30 INFO executor.Executor: Finished task 31.0 in stage 1.0 (TID 71). 898 bytes result sent to driver

20/02/29 00:30:30 INFO scheduler.TaskSetManager: Starting task 32.0 in stage 1.0 (TID 72, localhost, executor driver, partition 32, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:30 INFO executor.Executor: Running task 32.0 in stage 1.0 (TID 72)

20/02/29 00:30:30 INFO scheduler.TaskSetManager: Finished task 31.0 in stage 1.0 (TID 71) in 860 ms on localhost (executor driver) (32/40)

20/02/29 00:30:30 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1073741824+33554432

20/02/29 00:30:30 INFO executor.Executor: Finished task 32.0 in stage 1.0 (TID 72). 898 bytes result sent to driver

20/02/29 00:30:30 INFO scheduler.TaskSetManager: Starting task 33.0 in stage 1.0 (TID 73, localhost, executor driver, partition 33, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:30 INFO executor.Executor: Running task 33.0 in stage 1.0 (TID 73)

20/02/29 00:30:30 INFO scheduler.TaskSetManager: Finished task 32.0 in stage 1.0 (TID 72) in 853 ms on localhost (executor driver) (33/40)

20/02/29 00:30:30 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1107296256+33554432

20/02/29 00:30:31 INFO executor.Executor: Finished task 33.0 in stage 1.0 (TID 73). 898 bytes result sent to driver

20/02/29 00:30:31 INFO scheduler.TaskSetManager: Starting task 34.0 in stage 1.0 (TID 74, localhost, executor driver, partition 34, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:31 INFO executor.Executor: Running task 34.0 in stage 1.0 (TID 74)

20/02/29 00:30:31 INFO scheduler.TaskSetManager: Finished task 33.0 in stage 1.0 (TID 73) in 854 ms on localhost (executor driver) (34/40)

20/02/29 00:30:31 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1140850688+33554432

20/02/29 00:30:32 INFO executor.Executor: Finished task 34.0 in stage 1.0 (TID 74). 898 bytes result sent to driver

20/02/29 00:30:32 INFO scheduler.TaskSetManager: Starting task 35.0 in stage 1.0 (TID 75, localhost, executor driver, partition 35, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:32 INFO executor.Executor: Running task 35.0 in stage 1.0 (TID 75)

20/02/29 00:30:32 INFO scheduler.TaskSetManager: Finished task 34.0 in stage 1.0 (TID 74) in 859 ms on localhost (executor driver) (35/40)

20/02/29 00:30:32 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1174405120+33554432

20/02/29 00:30:33 INFO executor.Executor: Finished task 35.0 in stage 1.0 (TID 75). 898 bytes result sent to driver

20/02/29 00:30:33 INFO scheduler.TaskSetManager: Starting task 36.0 in stage 1.0 (TID 76, localhost, executor driver, partition 36, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:33 INFO executor.Executor: Running task 36.0 in stage 1.0 (TID 76)

20/02/29 00:30:33 INFO scheduler.TaskSetManager: Finished task 35.0 in stage 1.0 (TID 75) in 854 ms on localhost (executor driver) (36/40)

20/02/29 00:30:33 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1207959552+33554432

20/02/29 00:30:34 INFO executor.Executor: Finished task 36.0 in stage 1.0 (TID 76). 898 bytes result sent to driver

20/02/29 00:30:34 INFO scheduler.TaskSetManager: Starting task 37.0 in stage 1.0 (TID 77, localhost, executor driver, partition 37, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:34 INFO executor.Executor: Running task 37.0 in stage 1.0 (TID 77)

20/02/29 00:30:34 INFO scheduler.TaskSetManager: Finished task 36.0 in stage 1.0 (TID 76) in 844 ms on localhost (executor driver) (37/40)

20/02/29 00:30:34 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1241513984+33554432

20/02/29 00:30:35 INFO executor.Executor: Finished task 37.0 in stage 1.0 (TID 77). 898 bytes result sent to driver

20/02/29 00:30:35 INFO scheduler.TaskSetManager: Starting task 38.0 in stage 1.0 (TID 78, localhost, executor driver, partition 38, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:35 INFO executor.Executor: Running task 38.0 in stage 1.0 (TID 78)

20/02/29 00:30:35 INFO scheduler.TaskSetManager: Finished task 37.0 in stage 1.0 (TID 77) in 851 ms on localhost (executor driver) (38/40)

20/02/29 00:30:35 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1275068416+33554432

20/02/29 00:30:35 INFO executor.Executor: Finished task 38.0 in stage 1.0 (TID 78). 898 bytes result sent to driver

20/02/29 00:30:35 INFO scheduler.TaskSetManager: Starting task 39.0 in stage 1.0 (TID 79, localhost, executor driver, partition 39, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:35 INFO executor.Executor: Running task 39.0 in stage 1.0 (TID 79)

20/02/29 00:30:35 INFO scheduler.TaskSetManager: Finished task 38.0 in stage 1.0 (TID 78) in 830 ms on localhost (executor driver) (39/40)

20/02/29 00:30:35 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1308622848+10658977

20/02/29 00:30:36 INFO executor.Executor: Finished task 39.0 in stage 1.0 (TID 79). 898 bytes result sent to driver

20/02/29 00:30:36 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 2.0 (TID 80, localhost, executor driver, partition 0, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:36 INFO executor.Executor: Running task 0.0 in stage 2.0 (TID 80)

20/02/29 00:30:36 INFO scheduler.TaskSetManager: Finished task 39.0 in stage 1.0 (TID 79) in 272 ms on localhost (executor driver) (40/40)

20/02/29 00:30:36 INFO scheduler.TaskSchedulerImpl: Removed TaskSet 1.0, whose tasks have all completed, from pool

20/02/29 00:30:36 INFO scheduler.DAGScheduler: ShuffleMapStage 1 (filter at RSjoinRDD.scala:31) finished in 72.276 s

20/02/29 00:30:36 INFO scheduler.DAGScheduler: looking for newly runnable stages

20/02/29 00:30:36 INFO scheduler.DAGScheduler: running: Set(ShuffleMapStage 2)

20/02/29 00:30:36 INFO scheduler.DAGScheduler: waiting: Set(ShuffleMapStage 3, ResultStage 4)

20/02/29 00:30:36 INFO scheduler.DAGScheduler: failed: Set()

20/02/29 00:30:36 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:0+33554432

20/02/29 00:30:37 INFO executor.Executor: Finished task 0.0 in stage 2.0 (TID 80). 1027 bytes result sent to driver

20/02/29 00:30:37 INFO scheduler.TaskSetManager: Starting task 1.0 in stage 2.0 (TID 81, localhost, executor driver, partition 1, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:37 INFO executor.Executor: Running task 1.0 in stage 2.0 (TID 81)

20/02/29 00:30:37 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 2.0 (TID 80) in 918 ms on localhost (executor driver) (1/40)

20/02/29 00:30:37 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:33554432+33554432

20/02/29 00:30:38 INFO executor.Executor: Finished task 1.0 in stage 2.0 (TID 81). 1027 bytes result sent to driver

20/02/29 00:30:38 INFO scheduler.TaskSetManager: Starting task 2.0 in stage 2.0 (TID 82, localhost, executor driver, partition 2, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:38 INFO executor.Executor: Running task 2.0 in stage 2.0 (TID 82)

20/02/29 00:30:38 INFO scheduler.TaskSetManager: Finished task 1.0 in stage 2.0 (TID 81) in 884 ms on localhost (executor driver) (2/40)

20/02/29 00:30:38 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:67108864+33554432

20/02/29 00:30:38 INFO executor.Executor: Finished task 2.0 in stage 2.0 (TID 82). 1027 bytes result sent to driver

20/02/29 00:30:38 INFO scheduler.TaskSetManager: Starting task 3.0 in stage 2.0 (TID 83, localhost, executor driver, partition 3, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:38 INFO executor.Executor: Running task 3.0 in stage 2.0 (TID 83)

20/02/29 00:30:38 INFO scheduler.TaskSetManager: Finished task 2.0 in stage 2.0 (TID 82) in 872 ms on localhost (executor driver) (3/40)

20/02/29 00:30:38 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:100663296+33554432

20/02/29 00:30:39 INFO executor.Executor: Finished task 3.0 in stage 2.0 (TID 83). 1027 bytes result sent to driver

20/02/29 00:30:39 INFO scheduler.TaskSetManager: Starting task 4.0 in stage 2.0 (TID 84, localhost, executor driver, partition 4, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:39 INFO executor.Executor: Running task 4.0 in stage 2.0 (TID 84)

20/02/29 00:30:39 INFO scheduler.TaskSetManager: Finished task 3.0 in stage 2.0 (TID 83) in 875 ms on localhost (executor driver) (4/40)

20/02/29 00:30:39 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:134217728+33554432

20/02/29 00:30:40 INFO executor.Executor: Finished task 4.0 in stage 2.0 (TID 84). 984 bytes result sent to driver

20/02/29 00:30:40 INFO scheduler.TaskSetManager: Starting task 5.0 in stage 2.0 (TID 85, localhost, executor driver, partition 5, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:40 INFO executor.Executor: Running task 5.0 in stage 2.0 (TID 85)

20/02/29 00:30:40 INFO scheduler.TaskSetManager: Finished task 4.0 in stage 2.0 (TID 84) in 871 ms on localhost (executor driver) (5/40)

20/02/29 00:30:40 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:167772160+33554432

20/02/29 00:30:41 INFO executor.Executor: Finished task 5.0 in stage 2.0 (TID 85). 1027 bytes result sent to driver

20/02/29 00:30:41 INFO scheduler.TaskSetManager: Starting task 6.0 in stage 2.0 (TID 86, localhost, executor driver, partition 6, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:41 INFO executor.Executor: Running task 6.0 in stage 2.0 (TID 86)

20/02/29 00:30:41 INFO scheduler.TaskSetManager: Finished task 5.0 in stage 2.0 (TID 85) in 877 ms on localhost (executor driver) (6/40)

20/02/29 00:30:41 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:201326592+33554432

20/02/29 00:30:42 INFO executor.Executor: Finished task 6.0 in stage 2.0 (TID 86). 1027 bytes result sent to driver

20/02/29 00:30:42 INFO scheduler.TaskSetManager: Starting task 7.0 in stage 2.0 (TID 87, localhost, executor driver, partition 7, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:42 INFO executor.Executor: Running task 7.0 in stage 2.0 (TID 87)

20/02/29 00:30:42 INFO scheduler.TaskSetManager: Finished task 6.0 in stage 2.0 (TID 86) in 846 ms on localhost (executor driver) (7/40)

20/02/29 00:30:42 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:234881024+33554432

20/02/29 00:30:43 INFO executor.Executor: Finished task 7.0 in stage 2.0 (TID 87). 984 bytes result sent to driver

20/02/29 00:30:43 INFO scheduler.TaskSetManager: Starting task 8.0 in stage 2.0 (TID 88, localhost, executor driver, partition 8, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:43 INFO scheduler.TaskSetManager: Finished task 7.0 in stage 2.0 (TID 87) in 968 ms on localhost (executor driver) (8/40)

20/02/29 00:30:43 INFO executor.Executor: Running task 8.0 in stage 2.0 (TID 88)

20/02/29 00:30:43 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:268435456+33554432

20/02/29 00:30:44 INFO executor.Executor: Finished task 8.0 in stage 2.0 (TID 88). 1027 bytes result sent to driver

20/02/29 00:30:44 INFO scheduler.TaskSetManager: Starting task 9.0 in stage 2.0 (TID 89, localhost, executor driver, partition 9, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:44 INFO executor.Executor: Running task 9.0 in stage 2.0 (TID 89)

20/02/29 00:30:44 INFO scheduler.TaskSetManager: Finished task 8.0 in stage 2.0 (TID 88) in 848 ms on localhost (executor driver) (9/40)

20/02/29 00:30:44 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:301989888+33554432

20/02/29 00:30:45 INFO executor.Executor: Finished task 9.0 in stage 2.0 (TID 89). 1027 bytes result sent to driver

20/02/29 00:30:45 INFO scheduler.TaskSetManager: Starting task 10.0 in stage 2.0 (TID 90, localhost, executor driver, partition 10, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:45 INFO executor.Executor: Running task 10.0 in stage 2.0 (TID 90)

20/02/29 00:30:45 INFO scheduler.TaskSetManager: Finished task 9.0 in stage 2.0 (TID 89) in 849 ms on localhost (executor driver) (10/40)

20/02/29 00:30:45 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:335544320+33554432

20/02/29 00:30:45 INFO executor.Executor: Finished task 10.0 in stage 2.0 (TID 90). 1027 bytes result sent to driver

20/02/29 00:30:45 INFO scheduler.TaskSetManager: Starting task 11.0 in stage 2.0 (TID 91, localhost, executor driver, partition 11, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:45 INFO executor.Executor: Running task 11.0 in stage 2.0 (TID 91)

20/02/29 00:30:45 INFO scheduler.TaskSetManager: Finished task 10.0 in stage 2.0 (TID 90) in 852 ms on localhost (executor driver) (11/40)

20/02/29 00:30:45 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:369098752+33554432

20/02/29 00:30:46 INFO executor.Executor: Finished task 11.0 in stage 2.0 (TID 91). 1027 bytes result sent to driver

20/02/29 00:30:46 INFO scheduler.TaskSetManager: Starting task 12.0 in stage 2.0 (TID 92, localhost, executor driver, partition 12, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:46 INFO executor.Executor: Running task 12.0 in stage 2.0 (TID 92)

20/02/29 00:30:46 INFO scheduler.TaskSetManager: Finished task 11.0 in stage 2.0 (TID 91) in 879 ms on localhost (executor driver) (12/40)

20/02/29 00:30:46 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:402653184+33554432

20/02/29 00:30:47 INFO executor.Executor: Finished task 12.0 in stage 2.0 (TID 92). 1027 bytes result sent to driver

20/02/29 00:30:47 INFO scheduler.TaskSetManager: Starting task 13.0 in stage 2.0 (TID 93, localhost, executor driver, partition 13, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:47 INFO executor.Executor: Running task 13.0 in stage 2.0 (TID 93)

20/02/29 00:30:47 INFO scheduler.TaskSetManager: Finished task 12.0 in stage 2.0 (TID 92) in 910 ms on localhost (executor driver) (13/40)

20/02/29 00:30:47 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:436207616+33554432

20/02/29 00:30:48 INFO executor.Executor: Finished task 13.0 in stage 2.0 (TID 93). 984 bytes result sent to driver

20/02/29 00:30:48 INFO scheduler.TaskSetManager: Starting task 14.0 in stage 2.0 (TID 94, localhost, executor driver, partition 14, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:48 INFO executor.Executor: Running task 14.0 in stage 2.0 (TID 94)

20/02/29 00:30:48 INFO scheduler.TaskSetManager: Finished task 13.0 in stage 2.0 (TID 93) in 912 ms on localhost (executor driver) (14/40)

20/02/29 00:30:48 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:469762048+33554432

20/02/29 00:30:49 INFO executor.Executor: Finished task 14.0 in stage 2.0 (TID 94). 1027 bytes result sent to driver

20/02/29 00:30:49 INFO scheduler.TaskSetManager: Starting task 15.0 in stage 2.0 (TID 95, localhost, executor driver, partition 15, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:49 INFO executor.Executor: Running task 15.0 in stage 2.0 (TID 95)

20/02/29 00:30:49 INFO scheduler.TaskSetManager: Finished task 14.0 in stage 2.0 (TID 94) in 911 ms on localhost (executor driver) (15/40)

20/02/29 00:30:49 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:503316480+33554432

20/02/29 00:30:50 INFO executor.Executor: Finished task 15.0 in stage 2.0 (TID 95). 1027 bytes result sent to driver

20/02/29 00:30:50 INFO scheduler.TaskSetManager: Starting task 16.0 in stage 2.0 (TID 96, localhost, executor driver, partition 16, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:50 INFO executor.Executor: Running task 16.0 in stage 2.0 (TID 96)

20/02/29 00:30:50 INFO scheduler.TaskSetManager: Finished task 15.0 in stage 2.0 (TID 95) in 864 ms on localhost (executor driver) (16/40)

20/02/29 00:30:50 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:536870912+33554432

20/02/29 00:30:51 INFO executor.Executor: Finished task 16.0 in stage 2.0 (TID 96). 1027 bytes result sent to driver

20/02/29 00:30:51 INFO scheduler.TaskSetManager: Starting task 17.0 in stage 2.0 (TID 97, localhost, executor driver, partition 17, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:51 INFO executor.Executor: Running task 17.0 in stage 2.0 (TID 97)

20/02/29 00:30:51 INFO scheduler.TaskSetManager: Finished task 16.0 in stage 2.0 (TID 96) in 868 ms on localhost (executor driver) (17/40)

20/02/29 00:30:51 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:570425344+33554432

20/02/29 00:30:52 INFO executor.Executor: Finished task 17.0 in stage 2.0 (TID 97). 1027 bytes result sent to driver

20/02/29 00:30:52 INFO scheduler.TaskSetManager: Starting task 18.0 in stage 2.0 (TID 98, localhost, executor driver, partition 18, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:52 INFO executor.Executor: Running task 18.0 in stage 2.0 (TID 98)

20/02/29 00:30:52 INFO scheduler.TaskSetManager: Finished task 17.0 in stage 2.0 (TID 97) in 856 ms on localhost (executor driver) (18/40)

20/02/29 00:30:52 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:603979776+33554432

20/02/29 00:30:53 INFO executor.Executor: Finished task 18.0 in stage 2.0 (TID 98). 1027 bytes result sent to driver

20/02/29 00:30:53 INFO scheduler.TaskSetManager: Starting task 19.0 in stage 2.0 (TID 99, localhost, executor driver, partition 19, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:53 INFO executor.Executor: Running task 19.0 in stage 2.0 (TID 99)

20/02/29 00:30:53 INFO scheduler.TaskSetManager: Finished task 18.0 in stage 2.0 (TID 98) in 895 ms on localhost (executor driver) (19/40)

20/02/29 00:30:53 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:637534208+33554432

20/02/29 00:30:53 INFO executor.Executor: Finished task 19.0 in stage 2.0 (TID 99). 1027 bytes result sent to driver

20/02/29 00:30:53 INFO scheduler.TaskSetManager: Starting task 20.0 in stage 2.0 (TID 100, localhost, executor driver, partition 20, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:53 INFO executor.Executor: Running task 20.0 in stage 2.0 (TID 100)

20/02/29 00:30:53 INFO scheduler.TaskSetManager: Finished task 19.0 in stage 2.0 (TID 99) in 910 ms on localhost (executor driver) (20/40)

20/02/29 00:30:53 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:671088640+33554432

20/02/29 00:30:54 INFO executor.Executor: Finished task 20.0 in stage 2.0 (TID 100). 984 bytes result sent to driver

20/02/29 00:30:54 INFO scheduler.TaskSetManager: Starting task 21.0 in stage 2.0 (TID 101, localhost, executor driver, partition 21, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:54 INFO scheduler.TaskSetManager: Finished task 20.0 in stage 2.0 (TID 100) in 884 ms on localhost (executor driver) (21/40)

20/02/29 00:30:54 INFO executor.Executor: Running task 21.0 in stage 2.0 (TID 101)

20/02/29 00:30:54 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:704643072+33554432

20/02/29 00:30:55 INFO executor.Executor: Finished task 21.0 in stage 2.0 (TID 101). 1027 bytes result sent to driver

20/02/29 00:30:55 INFO scheduler.TaskSetManager: Starting task 22.0 in stage 2.0 (TID 102, localhost, executor driver, partition 22, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:55 INFO executor.Executor: Running task 22.0 in stage 2.0 (TID 102)

20/02/29 00:30:55 INFO scheduler.TaskSetManager: Finished task 21.0 in stage 2.0 (TID 101) in 884 ms on localhost (executor driver) (22/40)

20/02/29 00:30:55 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:738197504+33554432

20/02/29 00:30:56 INFO executor.Executor: Finished task 22.0 in stage 2.0 (TID 102). 1027 bytes result sent to driver

20/02/29 00:30:56 INFO scheduler.TaskSetManager: Starting task 23.0 in stage 2.0 (TID 103, localhost, executor driver, partition 23, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:56 INFO executor.Executor: Running task 23.0 in stage 2.0 (TID 103)

20/02/29 00:30:56 INFO scheduler.TaskSetManager: Finished task 22.0 in stage 2.0 (TID 102) in 1016 ms on localhost (executor driver) (23/40)

20/02/29 00:30:56 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:771751936+33554432

20/02/29 00:30:57 INFO executor.Executor: Finished task 23.0 in stage 2.0 (TID 103). 898 bytes result sent to driver

20/02/29 00:30:57 INFO scheduler.TaskSetManager: Starting task 24.0 in stage 2.0 (TID 104, localhost, executor driver, partition 24, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:57 INFO executor.Executor: Running task 24.0 in stage 2.0 (TID 104)

20/02/29 00:30:57 INFO scheduler.TaskSetManager: Finished task 23.0 in stage 2.0 (TID 103) in 951 ms on localhost (executor driver) (24/40)

20/02/29 00:30:57 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:805306368+33554432

20/02/29 00:30:58 INFO executor.Executor: Finished task 24.0 in stage 2.0 (TID 104). 855 bytes result sent to driver

20/02/29 00:30:58 INFO scheduler.TaskSetManager: Starting task 25.0 in stage 2.0 (TID 105, localhost, executor driver, partition 25, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:58 INFO executor.Executor: Running task 25.0 in stage 2.0 (TID 105)

20/02/29 00:30:58 INFO scheduler.TaskSetManager: Finished task 24.0 in stage 2.0 (TID 104) in 904 ms on localhost (executor driver) (25/40)

20/02/29 00:30:58 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:838860800+33554432

20/02/29 00:30:59 INFO executor.Executor: Finished task 25.0 in stage 2.0 (TID 105). 941 bytes result sent to driver

20/02/29 00:30:59 INFO scheduler.TaskSetManager: Starting task 26.0 in stage 2.0 (TID 106, localhost, executor driver, partition 26, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:30:59 INFO executor.Executor: Running task 26.0 in stage 2.0 (TID 106)

20/02/29 00:30:59 INFO scheduler.TaskSetManager: Finished task 25.0 in stage 2.0 (TID 105) in 919 ms on localhost (executor driver) (26/40)

20/02/29 00:30:59 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:872415232+33554432

20/02/29 00:31:00 INFO executor.Executor: Finished task 26.0 in stage 2.0 (TID 106). 898 bytes result sent to driver

20/02/29 00:31:00 INFO scheduler.TaskSetManager: Starting task 27.0 in stage 2.0 (TID 107, localhost, executor driver, partition 27, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:00 INFO executor.Executor: Running task 27.0 in stage 2.0 (TID 107)

20/02/29 00:31:00 INFO scheduler.TaskSetManager: Finished task 26.0 in stage 2.0 (TID 106) in 912 ms on localhost (executor driver) (27/40)

20/02/29 00:31:00 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:905969664+33554432

20/02/29 00:31:01 INFO executor.Executor: Finished task 27.0 in stage 2.0 (TID 107). 898 bytes result sent to driver

20/02/29 00:31:01 INFO scheduler.TaskSetManager: Starting task 28.0 in stage 2.0 (TID 108, localhost, executor driver, partition 28, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:01 INFO executor.Executor: Running task 28.0 in stage 2.0 (TID 108)

20/02/29 00:31:01 INFO scheduler.TaskSetManager: Finished task 27.0 in stage 2.0 (TID 107) in 905 ms on localhost (executor driver) (28/40)

20/02/29 00:31:01 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:939524096+33554432

20/02/29 00:31:02 INFO executor.Executor: Finished task 28.0 in stage 2.0 (TID 108). 898 bytes result sent to driver

20/02/29 00:31:02 INFO scheduler.TaskSetManager: Starting task 29.0 in stage 2.0 (TID 109, localhost, executor driver, partition 29, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:02 INFO executor.Executor: Running task 29.0 in stage 2.0 (TID 109)

20/02/29 00:31:02 INFO scheduler.TaskSetManager: Finished task 28.0 in stage 2.0 (TID 108) in 866 ms on localhost (executor driver) (29/40)

20/02/29 00:31:02 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:973078528+33554432

20/02/29 00:31:03 INFO executor.Executor: Finished task 29.0 in stage 2.0 (TID 109). 898 bytes result sent to driver

20/02/29 00:31:03 INFO scheduler.TaskSetManager: Starting task 30.0 in stage 2.0 (TID 110, localhost, executor driver, partition 30, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:03 INFO executor.Executor: Running task 30.0 in stage 2.0 (TID 110)

20/02/29 00:31:03 INFO scheduler.TaskSetManager: Finished task 29.0 in stage 2.0 (TID 109) in 863 ms on localhost (executor driver) (30/40)

20/02/29 00:31:03 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1006632960+33554432

20/02/29 00:31:03 INFO executor.Executor: Finished task 30.0 in stage 2.0 (TID 110). 855 bytes result sent to driver

20/02/29 00:31:03 INFO scheduler.TaskSetManager: Starting task 31.0 in stage 2.0 (TID 111, localhost, executor driver, partition 31, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:03 INFO executor.Executor: Running task 31.0 in stage 2.0 (TID 111)

20/02/29 00:31:03 INFO scheduler.TaskSetManager: Finished task 30.0 in stage 2.0 (TID 110) in 875 ms on localhost (executor driver) (31/40)

20/02/29 00:31:03 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1040187392+33554432

20/02/29 00:31:04 INFO executor.Executor: Finished task 31.0 in stage 2.0 (TID 111). 898 bytes result sent to driver

20/02/29 00:31:04 INFO scheduler.TaskSetManager: Starting task 32.0 in stage 2.0 (TID 112, localhost, executor driver, partition 32, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:04 INFO scheduler.TaskSetManager: Finished task 31.0 in stage 2.0 (TID 111) in 861 ms on localhost (executor driver) (32/40)

20/02/29 00:31:04 INFO executor.Executor: Running task 32.0 in stage 2.0 (TID 112)

20/02/29 00:31:04 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1073741824+33554432

20/02/29 00:31:05 INFO executor.Executor: Finished task 32.0 in stage 2.0 (TID 112). 898 bytes result sent to driver

20/02/29 00:31:05 INFO scheduler.TaskSetManager: Starting task 33.0 in stage 2.0 (TID 113, localhost, executor driver, partition 33, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:05 INFO executor.Executor: Running task 33.0 in stage 2.0 (TID 113)

20/02/29 00:31:05 INFO scheduler.TaskSetManager: Finished task 32.0 in stage 2.0 (TID 112) in 854 ms on localhost (executor driver) (33/40)

20/02/29 00:31:05 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1107296256+33554432

20/02/29 00:31:06 INFO executor.Executor: Finished task 33.0 in stage 2.0 (TID 113). 898 bytes result sent to driver

20/02/29 00:31:06 INFO scheduler.TaskSetManager: Starting task 34.0 in stage 2.0 (TID 114, localhost, executor driver, partition 34, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:06 INFO executor.Executor: Running task 34.0 in stage 2.0 (TID 114)

20/02/29 00:31:06 INFO scheduler.TaskSetManager: Finished task 33.0 in stage 2.0 (TID 113) in 856 ms on localhost (executor driver) (34/40)

20/02/29 00:31:06 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1140850688+33554432

20/02/29 00:31:07 INFO executor.Executor: Finished task 34.0 in stage 2.0 (TID 114). 898 bytes result sent to driver

20/02/29 00:31:07 INFO scheduler.TaskSetManager: Starting task 35.0 in stage 2.0 (TID 115, localhost, executor driver, partition 35, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:07 INFO executor.Executor: Running task 35.0 in stage 2.0 (TID 115)

20/02/29 00:31:07 INFO scheduler.TaskSetManager: Finished task 34.0 in stage 2.0 (TID 114) in 862 ms on localhost (executor driver) (35/40)

20/02/29 00:31:07 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1174405120+33554432

20/02/29 00:31:08 INFO executor.Executor: Finished task 35.0 in stage 2.0 (TID 115). 855 bytes result sent to driver

20/02/29 00:31:08 INFO scheduler.TaskSetManager: Starting task 36.0 in stage 2.0 (TID 116, localhost, executor driver, partition 36, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:08 INFO executor.Executor: Running task 36.0 in stage 2.0 (TID 116)

20/02/29 00:31:08 INFO scheduler.TaskSetManager: Finished task 35.0 in stage 2.0 (TID 115) in 863 ms on localhost (executor driver) (36/40)

20/02/29 00:31:08 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1207959552+33554432

20/02/29 00:31:09 INFO executor.Executor: Finished task 36.0 in stage 2.0 (TID 116). 855 bytes result sent to driver

20/02/29 00:31:09 INFO scheduler.TaskSetManager: Starting task 37.0 in stage 2.0 (TID 117, localhost, executor driver, partition 37, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:09 INFO executor.Executor: Running task 37.0 in stage 2.0 (TID 117)

20/02/29 00:31:09 INFO scheduler.TaskSetManager: Finished task 36.0 in stage 2.0 (TID 116) in 836 ms on localhost (executor driver) (37/40)

20/02/29 00:31:09 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1241513984+33554432

20/02/29 00:31:09 INFO executor.Executor: Finished task 37.0 in stage 2.0 (TID 117). 855 bytes result sent to driver

20/02/29 00:31:09 INFO scheduler.TaskSetManager: Starting task 38.0 in stage 2.0 (TID 118, localhost, executor driver, partition 38, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:09 INFO executor.Executor: Running task 38.0 in stage 2.0 (TID 118)

20/02/29 00:31:09 INFO scheduler.TaskSetManager: Finished task 37.0 in stage 2.0 (TID 117) in 841 ms on localhost (executor driver) (38/40)

20/02/29 00:31:09 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1275068416+33554432

20/02/29 00:31:10 INFO executor.Executor: Finished task 38.0 in stage 2.0 (TID 118). 855 bytes result sent to driver

20/02/29 00:31:10 INFO scheduler.TaskSetManager: Starting task 39.0 in stage 2.0 (TID 119, localhost, executor driver, partition 39, PROCESS\_LOCAL, 7452 bytes)

20/02/29 00:31:10 INFO executor.Executor: Running task 39.0 in stage 2.0 (TID 119)

20/02/29 00:31:10 INFO scheduler.TaskSetManager: Finished task 38.0 in stage 2.0 (TID 118) in 829 ms on localhost (executor driver) (39/40)

20/02/29 00:31:10 INFO rdd.HadoopRDD: Input split: file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/input/edges.csv:1308622848+10658977

20/02/29 00:31:10 INFO executor.Executor: Finished task 39.0 in stage 2.0 (TID 119). 898 bytes result sent to driver

20/02/29 00:31:10 INFO scheduler.TaskSetManager: Finished task 39.0 in stage 2.0 (TID 119) in 270 ms on localhost (executor driver) (40/40)

20/02/29 00:31:10 INFO scheduler.TaskSchedulerImpl: Removed TaskSet 2.0, whose tasks have all completed, from pool

20/02/29 00:31:10 INFO scheduler.DAGScheduler: ShuffleMapStage 2 (filter at RSjoinRDD.scala:28) finished in 106.942 s

20/02/29 00:31:10 INFO scheduler.DAGScheduler: looking for newly runnable stages

20/02/29 00:31:10 INFO scheduler.DAGScheduler: running: Set()

20/02/29 00:31:10 INFO scheduler.DAGScheduler: waiting: Set(ShuffleMapStage 3, ResultStage 4)

20/02/29 00:31:10 INFO scheduler.DAGScheduler: failed: Set()

20/02/29 00:31:10 INFO scheduler.DAGScheduler: Submitting ShuffleMapStage 3 (MapPartitionsRDD[12] at map at RSjoinRDD.scala:37), which has no missing parents

20/02/29 00:31:10 INFO memory.MemoryStore: Block broadcast\_4 stored as values in memory (estimated size 4.2 KB, free 365.9 MB)

20/02/29 00:31:10 INFO memory.MemoryStore: Block broadcast\_4\_piece0 stored as bytes in memory (estimated size 2.5 KB, free 365.9 MB)

20/02/29 00:31:10 INFO storage.BlockManagerInfo: Added broadcast\_4\_piece0 in memory on 10.110.20.230:57686 (size: 2.5 KB, free: 366.3 MB)

20/02/29 00:31:10 INFO spark.SparkContext: Created broadcast 4 from broadcast at DAGScheduler.scala:1163

20/02/29 00:31:10 INFO scheduler.DAGScheduler: Submitting 40 missing tasks from ShuffleMapStage 3 (MapPartitionsRDD[12] at map at RSjoinRDD.scala:37) (first 15 tasks are for partitions Vector(0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14))

20/02/29 00:31:10 INFO scheduler.TaskSchedulerImpl: Adding task set 3.0 with 40 tasks

20/02/29 00:31:10 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 3.0 (TID 120, localhost, executor driver, partition 0, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:10 INFO executor.Executor: Running task 0.0 in stage 3.0 (TID 120)

20/02/29 00:31:11 INFO storage.ShuffleBlockFetcherIterator: Getting 6 non-empty blocks including 6 local blocks and 0 remote blocks

20/02/29 00:31:11 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 6 ms

20/02/29 00:31:11 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:11 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:11 INFO executor.Executor: Finished task 0.0 in stage 3.0 (TID 120). 1371 bytes result sent to driver

20/02/29 00:31:11 INFO scheduler.TaskSetManager: Starting task 1.0 in stage 3.0 (TID 121, localhost, executor driver, partition 1, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:11 INFO executor.Executor: Running task 1.0 in stage 3.0 (TID 121)

20/02/29 00:31:11 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 3.0 (TID 120) in 853 ms on localhost (executor driver) (1/40)

20/02/29 00:31:11 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:11 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:11 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:11 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:12 INFO executor.Executor: Finished task 1.0 in stage 3.0 (TID 121). 1371 bytes result sent to driver

20/02/29 00:31:12 INFO scheduler.TaskSetManager: Starting task 2.0 in stage 3.0 (TID 122, localhost, executor driver, partition 2, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:12 INFO executor.Executor: Running task 2.0 in stage 3.0 (TID 122)

20/02/29 00:31:12 INFO scheduler.TaskSetManager: Finished task 1.0 in stage 3.0 (TID 121) in 845 ms on localhost (executor driver) (2/40)

20/02/29 00:31:12 INFO storage.ShuffleBlockFetcherIterator: Getting 12 non-empty blocks including 12 local blocks and 0 remote blocks

20/02/29 00:31:12 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:12 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:12 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:13 INFO storage.BlockManagerInfo: Removed broadcast\_2\_piece0 on 10.110.20.230:57686 in memory (size: 2.9 KB, free: 366.3 MB)

20/02/29 00:31:13 INFO storage.BlockManagerInfo: Removed broadcast\_3\_piece0 on 10.110.20.230:57686 in memory (size: 2.9 KB, free: 366.3 MB)

20/02/29 00:31:13 INFO storage.BlockManagerInfo: Removed broadcast\_1\_piece0 on 10.110.20.230:57686 in memory (size: 2.9 KB, free: 366.3 MB)

20/02/29 00:31:24 INFO executor.Executor: Finished task 2.0 in stage 3.0 (TID 122). 1371 bytes result sent to driver

20/02/29 00:31:24 INFO scheduler.TaskSetManager: Starting task 3.0 in stage 3.0 (TID 123, localhost, executor driver, partition 3, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:24 INFO executor.Executor: Running task 3.0 in stage 3.0 (TID 123)

20/02/29 00:31:24 INFO scheduler.TaskSetManager: Finished task 2.0 in stage 3.0 (TID 122) in 12127 ms on localhost (executor driver) (3/40)

20/02/29 00:31:24 INFO storage.ShuffleBlockFetcherIterator: Getting 6 non-empty blocks including 6 local blocks and 0 remote blocks

20/02/29 00:31:24 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:24 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:24 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:26 INFO executor.Executor: Finished task 3.0 in stage 3.0 (TID 123). 1371 bytes result sent to driver

20/02/29 00:31:26 INFO scheduler.TaskSetManager: Starting task 4.0 in stage 3.0 (TID 124, localhost, executor driver, partition 4, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:26 INFO executor.Executor: Running task 4.0 in stage 3.0 (TID 124)

20/02/29 00:31:26 INFO scheduler.TaskSetManager: Finished task 3.0 in stage 3.0 (TID 123) in 1224 ms on localhost (executor driver) (4/40)

20/02/29 00:31:26 INFO storage.ShuffleBlockFetcherIterator: Getting 6 non-empty blocks including 6 local blocks and 0 remote blocks

20/02/29 00:31:26 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:26 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:26 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:27 INFO executor.Executor: Finished task 4.0 in stage 3.0 (TID 124). 1328 bytes result sent to driver

20/02/29 00:31:27 INFO scheduler.TaskSetManager: Starting task 5.0 in stage 3.0 (TID 125, localhost, executor driver, partition 5, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:27 INFO executor.Executor: Running task 5.0 in stage 3.0 (TID 125)

20/02/29 00:31:27 INFO scheduler.TaskSetManager: Finished task 4.0 in stage 3.0 (TID 124) in 1327 ms on localhost (executor driver) (5/40)

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Getting 1 non-empty blocks including 1 local blocks and 0 remote blocks

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:27 INFO executor.Executor: Finished task 5.0 in stage 3.0 (TID 125). 1371 bytes result sent to driver

20/02/29 00:31:27 INFO scheduler.TaskSetManager: Starting task 6.0 in stage 3.0 (TID 126, localhost, executor driver, partition 6, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:27 INFO executor.Executor: Running task 6.0 in stage 3.0 (TID 126)

20/02/29 00:31:27 INFO scheduler.TaskSetManager: Finished task 5.0 in stage 3.0 (TID 125) in 61 ms on localhost (executor driver) (6/40)

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Getting 9 non-empty blocks including 9 local blocks and 0 remote blocks

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Getting 22 non-empty blocks including 22 local blocks and 0 remote blocks

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:27 INFO executor.Executor: Finished task 6.0 in stage 3.0 (TID 126). 1371 bytes result sent to driver

20/02/29 00:31:27 INFO scheduler.TaskSetManager: Starting task 7.0 in stage 3.0 (TID 127, localhost, executor driver, partition 7, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:27 INFO executor.Executor: Running task 7.0 in stage 3.0 (TID 127)

20/02/29 00:31:27 INFO scheduler.TaskSetManager: Finished task 6.0 in stage 3.0 (TID 126) in 511 ms on localhost (executor driver) (7/40)

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:27 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:30 INFO executor.Executor: Finished task 7.0 in stage 3.0 (TID 127). 1371 bytes result sent to driver

20/02/29 00:31:30 INFO scheduler.TaskSetManager: Starting task 8.0 in stage 3.0 (TID 128, localhost, executor driver, partition 8, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:30 INFO executor.Executor: Running task 8.0 in stage 3.0 (TID 128)

20/02/29 00:31:30 INFO scheduler.TaskSetManager: Finished task 7.0 in stage 3.0 (TID 127) in 2943 ms on localhost (executor driver) (8/40)

20/02/29 00:31:30 INFO storage.ShuffleBlockFetcherIterator: Getting 7 non-empty blocks including 7 local blocks and 0 remote blocks

20/02/29 00:31:30 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:30 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:30 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:32 INFO executor.Executor: Finished task 8.0 in stage 3.0 (TID 128). 1371 bytes result sent to driver

20/02/29 00:31:32 INFO scheduler.TaskSetManager: Starting task 9.0 in stage 3.0 (TID 129, localhost, executor driver, partition 9, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:32 INFO executor.Executor: Running task 9.0 in stage 3.0 (TID 129)

20/02/29 00:31:32 INFO scheduler.TaskSetManager: Finished task 8.0 in stage 3.0 (TID 128) in 1134 ms on localhost (executor driver) (9/40)

20/02/29 00:31:32 INFO storage.ShuffleBlockFetcherIterator: Getting 6 non-empty blocks including 6 local blocks and 0 remote blocks

20/02/29 00:31:32 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:32 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:32 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:32 INFO executor.Executor: Finished task 9.0 in stage 3.0 (TID 129). 1371 bytes result sent to driver

20/02/29 00:31:32 INFO scheduler.TaskSetManager: Starting task 10.0 in stage 3.0 (TID 130, localhost, executor driver, partition 10, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:32 INFO executor.Executor: Running task 10.0 in stage 3.0 (TID 130)

20/02/29 00:31:32 INFO scheduler.TaskSetManager: Finished task 9.0 in stage 3.0 (TID 129) in 931 ms on localhost (executor driver) (10/40)

20/02/29 00:31:32 INFO storage.ShuffleBlockFetcherIterator: Getting 7 non-empty blocks including 7 local blocks and 0 remote blocks

20/02/29 00:31:32 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:32 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:32 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:34 INFO executor.Executor: Finished task 10.0 in stage 3.0 (TID 130). 1371 bytes result sent to driver

20/02/29 00:31:34 INFO scheduler.TaskSetManager: Starting task 11.0 in stage 3.0 (TID 131, localhost, executor driver, partition 11, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:34 INFO executor.Executor: Running task 11.0 in stage 3.0 (TID 131)

20/02/29 00:31:34 INFO scheduler.TaskSetManager: Finished task 10.0 in stage 3.0 (TID 130) in 1224 ms on localhost (executor driver) (11/40)

20/02/29 00:31:34 INFO storage.ShuffleBlockFetcherIterator: Getting 6 non-empty blocks including 6 local blocks and 0 remote blocks

20/02/29 00:31:34 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:34 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:34 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:36 INFO executor.Executor: Finished task 11.0 in stage 3.0 (TID 131). 1328 bytes result sent to driver

20/02/29 00:31:36 INFO scheduler.TaskSetManager: Starting task 12.0 in stage 3.0 (TID 132, localhost, executor driver, partition 12, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:36 INFO executor.Executor: Running task 12.0 in stage 3.0 (TID 132)

20/02/29 00:31:36 INFO scheduler.TaskSetManager: Finished task 11.0 in stage 3.0 (TID 131) in 2190 ms on localhost (executor driver) (12/40)

20/02/29 00:31:36 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:36 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:36 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:36 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:36 INFO executor.Executor: Finished task 12.0 in stage 3.0 (TID 132). 1328 bytes result sent to driver

20/02/29 00:31:36 INFO scheduler.TaskSetManager: Starting task 13.0 in stage 3.0 (TID 133, localhost, executor driver, partition 13, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:36 INFO executor.Executor: Running task 13.0 in stage 3.0 (TID 133)

20/02/29 00:31:36 INFO scheduler.TaskSetManager: Finished task 12.0 in stage 3.0 (TID 132) in 174 ms on localhost (executor driver) (13/40)

20/02/29 00:31:36 INFO storage.ShuffleBlockFetcherIterator: Getting 9 non-empty blocks including 9 local blocks and 0 remote blocks

20/02/29 00:31:36 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:36 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:36 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:40 INFO executor.Executor: Finished task 13.0 in stage 3.0 (TID 133). 1371 bytes result sent to driver

20/02/29 00:31:40 INFO scheduler.TaskSetManager: Starting task 14.0 in stage 3.0 (TID 134, localhost, executor driver, partition 14, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:40 INFO executor.Executor: Running task 14.0 in stage 3.0 (TID 134)

20/02/29 00:31:40 INFO scheduler.TaskSetManager: Finished task 13.0 in stage 3.0 (TID 133) in 3508 ms on localhost (executor driver) (14/40)

20/02/29 00:31:40 INFO storage.ShuffleBlockFetcherIterator: Getting 6 non-empty blocks including 6 local blocks and 0 remote blocks

20/02/29 00:31:40 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:40 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:40 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:41 INFO executor.Executor: Finished task 14.0 in stage 3.0 (TID 134). 1371 bytes result sent to driver

20/02/29 00:31:41 INFO scheduler.TaskSetManager: Starting task 15.0 in stage 3.0 (TID 135, localhost, executor driver, partition 15, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:41 INFO executor.Executor: Running task 15.0 in stage 3.0 (TID 135)

20/02/29 00:31:41 INFO scheduler.TaskSetManager: Finished task 14.0 in stage 3.0 (TID 134) in 1028 ms on localhost (executor driver) (15/40)

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:41 INFO executor.Executor: Finished task 15.0 in stage 3.0 (TID 135). 1285 bytes result sent to driver

20/02/29 00:31:41 INFO scheduler.TaskSetManager: Starting task 16.0 in stage 3.0 (TID 136, localhost, executor driver, partition 16, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:41 INFO executor.Executor: Running task 16.0 in stage 3.0 (TID 136)

20/02/29 00:31:41 INFO scheduler.TaskSetManager: Finished task 15.0 in stage 3.0 (TID 135) in 81 ms on localhost (executor driver) (16/40)

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Getting 6 non-empty blocks including 6 local blocks and 0 remote blocks

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:41 INFO executor.Executor: Finished task 16.0 in stage 3.0 (TID 136). 1328 bytes result sent to driver

20/02/29 00:31:41 INFO scheduler.TaskSetManager: Starting task 17.0 in stage 3.0 (TID 137, localhost, executor driver, partition 17, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:41 INFO scheduler.TaskSetManager: Finished task 16.0 in stage 3.0 (TID 136) in 765 ms on localhost (executor driver) (17/40)

20/02/29 00:31:41 INFO executor.Executor: Running task 17.0 in stage 3.0 (TID 137)

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Getting 10 non-empty blocks including 10 local blocks and 0 remote blocks

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:41 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:42 INFO executor.Executor: Finished task 17.0 in stage 3.0 (TID 137). 1371 bytes result sent to driver

20/02/29 00:31:42 INFO scheduler.TaskSetManager: Starting task 18.0 in stage 3.0 (TID 138, localhost, executor driver, partition 18, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:42 INFO executor.Executor: Running task 18.0 in stage 3.0 (TID 138)

20/02/29 00:31:42 INFO scheduler.TaskSetManager: Finished task 17.0 in stage 3.0 (TID 137) in 778 ms on localhost (executor driver) (18/40)

20/02/29 00:31:42 INFO storage.ShuffleBlockFetcherIterator: Getting 6 non-empty blocks including 6 local blocks and 0 remote blocks

20/02/29 00:31:42 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:42 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:42 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:44 INFO executor.Executor: Finished task 18.0 in stage 3.0 (TID 138). 1328 bytes result sent to driver

20/02/29 00:31:44 INFO scheduler.TaskSetManager: Starting task 19.0 in stage 3.0 (TID 139, localhost, executor driver, partition 19, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:44 INFO executor.Executor: Running task 19.0 in stage 3.0 (TID 139)

20/02/29 00:31:44 INFO scheduler.TaskSetManager: Finished task 18.0 in stage 3.0 (TID 138) in 1663 ms on localhost (executor driver) (19/40)

20/02/29 00:31:44 INFO storage.ShuffleBlockFetcherIterator: Getting 8 non-empty blocks including 8 local blocks and 0 remote blocks

20/02/29 00:31:44 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:44 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:44 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:45 INFO executor.Executor: Finished task 19.0 in stage 3.0 (TID 139). 1328 bytes result sent to driver

20/02/29 00:31:45 INFO scheduler.TaskSetManager: Starting task 20.0 in stage 3.0 (TID 140, localhost, executor driver, partition 20, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:45 INFO executor.Executor: Running task 20.0 in stage 3.0 (TID 140)

20/02/29 00:31:45 INFO scheduler.TaskSetManager: Finished task 19.0 in stage 3.0 (TID 139) in 675 ms on localhost (executor driver) (20/40)

20/02/29 00:31:45 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:45 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:45 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:45 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:46 INFO executor.Executor: Finished task 20.0 in stage 3.0 (TID 140). 1328 bytes result sent to driver

20/02/29 00:31:46 INFO scheduler.TaskSetManager: Starting task 21.0 in stage 3.0 (TID 141, localhost, executor driver, partition 21, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:46 INFO executor.Executor: Running task 21.0 in stage 3.0 (TID 141)

20/02/29 00:31:46 INFO scheduler.TaskSetManager: Finished task 20.0 in stage 3.0 (TID 140) in 1269 ms on localhost (executor driver) (21/40)

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Getting 4 non-empty blocks including 4 local blocks and 0 remote blocks

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:46 INFO executor.Executor: Finished task 21.0 in stage 3.0 (TID 141). 1328 bytes result sent to driver

20/02/29 00:31:46 INFO scheduler.TaskSetManager: Starting task 22.0 in stage 3.0 (TID 142, localhost, executor driver, partition 22, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:46 INFO executor.Executor: Running task 22.0 in stage 3.0 (TID 142)

20/02/29 00:31:46 INFO scheduler.TaskSetManager: Finished task 21.0 in stage 3.0 (TID 141) in 99 ms on localhost (executor driver) (22/40)

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:46 INFO executor.Executor: Finished task 22.0 in stage 3.0 (TID 142). 1285 bytes result sent to driver

20/02/29 00:31:46 INFO scheduler.TaskSetManager: Starting task 23.0 in stage 3.0 (TID 143, localhost, executor driver, partition 23, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:46 INFO executor.Executor: Running task 23.0 in stage 3.0 (TID 143)

20/02/29 00:31:46 INFO scheduler.TaskSetManager: Finished task 22.0 in stage 3.0 (TID 142) in 63 ms on localhost (executor driver) (23/40)

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Getting 4 non-empty blocks including 4 local blocks and 0 remote blocks

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:46 INFO executor.Executor: Finished task 23.0 in stage 3.0 (TID 143). 1371 bytes result sent to driver

20/02/29 00:31:46 INFO scheduler.TaskSetManager: Starting task 24.0 in stage 3.0 (TID 144, localhost, executor driver, partition 24, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:46 INFO executor.Executor: Running task 24.0 in stage 3.0 (TID 144)

20/02/29 00:31:46 INFO scheduler.TaskSetManager: Finished task 23.0 in stage 3.0 (TID 143) in 318 ms on localhost (executor driver) (24/40)

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:46 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:49 INFO executor.Executor: Finished task 24.0 in stage 3.0 (TID 144). 1328 bytes result sent to driver

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Starting task 25.0 in stage 3.0 (TID 145, localhost, executor driver, partition 25, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:49 INFO executor.Executor: Running task 25.0 in stage 3.0 (TID 145)

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Finished task 24.0 in stage 3.0 (TID 144) in 2506 ms on localhost (executor driver) (25/40)

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:49 INFO executor.Executor: Finished task 25.0 in stage 3.0 (TID 145). 1371 bytes result sent to driver

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Starting task 26.0 in stage 3.0 (TID 146, localhost, executor driver, partition 26, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:49 INFO executor.Executor: Running task 26.0 in stage 3.0 (TID 146)

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Finished task 25.0 in stage 3.0 (TID 145) in 82 ms on localhost (executor driver) (26/40)

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 3 non-empty blocks including 3 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:49 INFO executor.Executor: Finished task 26.0 in stage 3.0 (TID 146). 1328 bytes result sent to driver

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Starting task 27.0 in stage 3.0 (TID 147, localhost, executor driver, partition 27, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:49 INFO executor.Executor: Running task 27.0 in stage 3.0 (TID 147)

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Finished task 26.0 in stage 3.0 (TID 146) in 67 ms on localhost (executor driver) (27/40)

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 4 non-empty blocks including 4 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:49 INFO executor.Executor: Finished task 27.0 in stage 3.0 (TID 147). 1285 bytes result sent to driver

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Starting task 28.0 in stage 3.0 (TID 148, localhost, executor driver, partition 28, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:49 INFO executor.Executor: Running task 28.0 in stage 3.0 (TID 148)

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Finished task 27.0 in stage 3.0 (TID 147) in 54 ms on localhost (executor driver) (28/40)

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:49 INFO executor.Executor: Finished task 28.0 in stage 3.0 (TID 148). 1285 bytes result sent to driver

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Starting task 29.0 in stage 3.0 (TID 149, localhost, executor driver, partition 29, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:49 INFO executor.Executor: Running task 29.0 in stage 3.0 (TID 149)

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Finished task 28.0 in stage 3.0 (TID 148) in 332 ms on localhost (executor driver) (29/40)

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 3 non-empty blocks including 3 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:49 INFO executor.Executor: Finished task 29.0 in stage 3.0 (TID 149). 1285 bytes result sent to driver

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Starting task 30.0 in stage 3.0 (TID 150, localhost, executor driver, partition 30, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:49 INFO executor.Executor: Running task 30.0 in stage 3.0 (TID 150)

20/02/29 00:31:49 INFO scheduler.TaskSetManager: Finished task 29.0 in stage 3.0 (TID 149) in 72 ms on localhost (executor driver) (30/40)

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 4 non-empty blocks including 4 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:49 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:50 INFO executor.Executor: Finished task 30.0 in stage 3.0 (TID 150). 1285 bytes result sent to driver

20/02/29 00:31:50 INFO scheduler.TaskSetManager: Starting task 31.0 in stage 3.0 (TID 151, localhost, executor driver, partition 31, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:50 INFO scheduler.TaskSetManager: Finished task 30.0 in stage 3.0 (TID 150) in 137 ms on localhost (executor driver) (31/40)

20/02/29 00:31:50 INFO executor.Executor: Running task 31.0 in stage 3.0 (TID 151)

20/02/29 00:31:50 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:50 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:50 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:50 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:50 INFO executor.Executor: Finished task 31.0 in stage 3.0 (TID 151). 1371 bytes result sent to driver

20/02/29 00:31:50 INFO scheduler.TaskSetManager: Starting task 32.0 in stage 3.0 (TID 152, localhost, executor driver, partition 32, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:50 INFO executor.Executor: Running task 32.0 in stage 3.0 (TID 152)

20/02/29 00:31:50 INFO scheduler.TaskSetManager: Finished task 31.0 in stage 3.0 (TID 151) in 206 ms on localhost (executor driver) (32/40)

20/02/29 00:31:50 INFO storage.ShuffleBlockFetcherIterator: Getting 8 non-empty blocks including 8 local blocks and 0 remote blocks

20/02/29 00:31:50 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:50 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:50 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:51 INFO executor.Executor: Finished task 32.0 in stage 3.0 (TID 152). 1328 bytes result sent to driver

20/02/29 00:31:51 INFO scheduler.TaskSetManager: Starting task 33.0 in stage 3.0 (TID 153, localhost, executor driver, partition 33, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:51 INFO executor.Executor: Running task 33.0 in stage 3.0 (TID 153)

20/02/29 00:31:51 INFO scheduler.TaskSetManager: Finished task 32.0 in stage 3.0 (TID 152) in 1556 ms on localhost (executor driver) (33/40)

20/02/29 00:31:51 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:51 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:51 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:51 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:51 INFO executor.Executor: Finished task 33.0 in stage 3.0 (TID 153). 1285 bytes result sent to driver

20/02/29 00:31:51 INFO scheduler.TaskSetManager: Starting task 34.0 in stage 3.0 (TID 154, localhost, executor driver, partition 34, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:51 INFO executor.Executor: Running task 34.0 in stage 3.0 (TID 154)

20/02/29 00:31:51 INFO scheduler.TaskSetManager: Finished task 33.0 in stage 3.0 (TID 153) in 119 ms on localhost (executor driver) (34/40)

20/02/29 00:31:51 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:51 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:51 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:51 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:52 INFO executor.Executor: Finished task 34.0 in stage 3.0 (TID 154). 1328 bytes result sent to driver

20/02/29 00:31:52 INFO scheduler.TaskSetManager: Starting task 35.0 in stage 3.0 (TID 155, localhost, executor driver, partition 35, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:52 INFO executor.Executor: Running task 35.0 in stage 3.0 (TID 155)

20/02/29 00:31:52 INFO scheduler.TaskSetManager: Finished task 34.0 in stage 3.0 (TID 154) in 672 ms on localhost (executor driver) (35/40)

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Getting 2 non-empty blocks including 2 local blocks and 0 remote blocks

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:52 INFO executor.Executor: Finished task 35.0 in stage 3.0 (TID 155). 1328 bytes result sent to driver

20/02/29 00:31:52 INFO scheduler.TaskSetManager: Starting task 36.0 in stage 3.0 (TID 156, localhost, executor driver, partition 36, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:52 INFO executor.Executor: Running task 36.0 in stage 3.0 (TID 156)

20/02/29 00:31:52 INFO scheduler.TaskSetManager: Finished task 35.0 in stage 3.0 (TID 155) in 66 ms on localhost (executor driver) (36/40)

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:52 INFO executor.Executor: Finished task 36.0 in stage 3.0 (TID 156). 1285 bytes result sent to driver

20/02/29 00:31:52 INFO scheduler.TaskSetManager: Starting task 37.0 in stage 3.0 (TID 157, localhost, executor driver, partition 37, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:52 INFO executor.Executor: Running task 37.0 in stage 3.0 (TID 157)

20/02/29 00:31:52 INFO scheduler.TaskSetManager: Finished task 36.0 in stage 3.0 (TID 156) in 219 ms on localhost (executor driver) (37/40)

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Getting 7 non-empty blocks including 7 local blocks and 0 remote blocks

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:52 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:54 INFO executor.Executor: Finished task 37.0 in stage 3.0 (TID 157). 1371 bytes result sent to driver

20/02/29 00:31:54 INFO scheduler.TaskSetManager: Starting task 38.0 in stage 3.0 (TID 158, localhost, executor driver, partition 38, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:54 INFO executor.Executor: Running task 38.0 in stage 3.0 (TID 158)

20/02/29 00:31:54 INFO scheduler.TaskSetManager: Finished task 37.0 in stage 3.0 (TID 157) in 1216 ms on localhost (executor driver) (38/40)

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Getting 5 non-empty blocks including 5 local blocks and 0 remote blocks

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:54 INFO executor.Executor: Finished task 38.0 in stage 3.0 (TID 158). 1328 bytes result sent to driver

20/02/29 00:31:54 INFO scheduler.TaskSetManager: Starting task 39.0 in stage 3.0 (TID 159, localhost, executor driver, partition 39, PROCESS\_LOCAL, 7193 bytes)

20/02/29 00:31:54 INFO executor.Executor: Running task 39.0 in stage 3.0 (TID 159)

20/02/29 00:31:54 INFO scheduler.TaskSetManager: Finished task 38.0 in stage 3.0 (TID 158) in 90 ms on localhost (executor driver) (39/40)

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Getting 4 non-empty blocks including 4 local blocks and 0 remote blocks

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:54 INFO executor.Executor: Finished task 39.0 in stage 3.0 (TID 159). 1285 bytes result sent to driver

20/02/29 00:31:54 INFO scheduler.TaskSetManager: Finished task 39.0 in stage 3.0 (TID 159) in 200 ms on localhost (executor driver) (40/40)

20/02/29 00:31:54 INFO scheduler.TaskSchedulerImpl: Removed TaskSet 3.0, whose tasks have all completed, from pool

20/02/29 00:31:54 INFO scheduler.DAGScheduler: ShuffleMapStage 3 (map at RSjoinRDD.scala:37) finished in 43.385 s

20/02/29 00:31:54 INFO scheduler.DAGScheduler: looking for newly runnable stages

20/02/29 00:31:54 INFO scheduler.DAGScheduler: running: Set()

20/02/29 00:31:54 INFO scheduler.DAGScheduler: waiting: Set(ResultStage 4)

20/02/29 00:31:54 INFO scheduler.DAGScheduler: failed: Set()

20/02/29 00:31:54 INFO scheduler.DAGScheduler: Submitting ResultStage 4 (MapPartitionsRDD[15] at join at RSjoinRDD.scala:39), which has no missing parents

20/02/29 00:31:54 INFO memory.MemoryStore: Block broadcast\_5 stored as values in memory (estimated size 4.2 KB, free 365.9 MB)

20/02/29 00:31:54 INFO memory.MemoryStore: Block broadcast\_5\_piece0 stored as bytes in memory (estimated size 2.4 KB, free 365.9 MB)

20/02/29 00:31:54 INFO storage.BlockManagerInfo: Added broadcast\_5\_piece0 in memory on 10.110.20.230:57686 (size: 2.4 KB, free: 366.3 MB)

20/02/29 00:31:54 INFO spark.SparkContext: Created broadcast 5 from broadcast at DAGScheduler.scala:1163

20/02/29 00:31:54 INFO scheduler.DAGScheduler: Submitting 40 missing tasks from ResultStage 4 (MapPartitionsRDD[15] at join at RSjoinRDD.scala:39) (first 15 tasks are for partitions Vector(0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14))

20/02/29 00:31:54 INFO scheduler.TaskSchedulerImpl: Adding task set 4.0 with 40 tasks

20/02/29 00:31:54 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 4.0 (TID 160, localhost, executor driver, partition 0, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:31:54 INFO executor.Executor: Running task 0.0 in stage 4.0 (TID 160)

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:54 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:31:55 INFO storage.BlockManagerInfo: Removed broadcast\_4\_piece0 on 10.110.20.230:57686 in memory (size: 2.5 KB, free: 366.3 MB)

20/02/29 00:31:57 INFO executor.Executor: Finished task 0.0 in stage 4.0 (TID 160). 1225 bytes result sent to driver

20/02/29 00:31:57 INFO scheduler.TaskSetManager: Starting task 1.0 in stage 4.0 (TID 161, localhost, executor driver, partition 1, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:31:57 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 4.0 (TID 160) in 3190 ms on localhost (executor driver) (1/40)

20/02/29 00:31:57 INFO executor.Executor: Running task 1.0 in stage 4.0 (TID 161)

20/02/29 00:31:57 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:31:57 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:31:57 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:31:57 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:00 INFO executor.Executor: Finished task 1.0 in stage 4.0 (TID 161). 1182 bytes result sent to driver

20/02/29 00:32:00 INFO scheduler.TaskSetManager: Starting task 2.0 in stage 4.0 (TID 162, localhost, executor driver, partition 2, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:00 INFO scheduler.TaskSetManager: Finished task 1.0 in stage 4.0 (TID 161) in 3367 ms on localhost (executor driver) (2/40)

20/02/29 00:32:00 INFO executor.Executor: Running task 2.0 in stage 4.0 (TID 162)

20/02/29 00:32:00 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:00 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:00 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:00 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:04 INFO executor.Executor: Finished task 2.0 in stage 4.0 (TID 162). 1139 bytes result sent to driver

20/02/29 00:32:04 INFO scheduler.TaskSetManager: Starting task 3.0 in stage 4.0 (TID 163, localhost, executor driver, partition 3, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:04 INFO scheduler.TaskSetManager: Finished task 2.0 in stage 4.0 (TID 162) in 3294 ms on localhost (executor driver) (3/40)

20/02/29 00:32:04 INFO executor.Executor: Running task 3.0 in stage 4.0 (TID 163)

20/02/29 00:32:04 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:04 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:04 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:04 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:06 INFO executor.Executor: Finished task 3.0 in stage 4.0 (TID 163). 1139 bytes result sent to driver

20/02/29 00:32:06 INFO scheduler.TaskSetManager: Starting task 4.0 in stage 4.0 (TID 164, localhost, executor driver, partition 4, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:06 INFO executor.Executor: Running task 4.0 in stage 4.0 (TID 164)

20/02/29 00:32:06 INFO scheduler.TaskSetManager: Finished task 3.0 in stage 4.0 (TID 163) in 2683 ms on localhost (executor driver) (4/40)

20/02/29 00:32:06 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:06 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:06 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:06 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:09 INFO executor.Executor: Finished task 4.0 in stage 4.0 (TID 164). 1182 bytes result sent to driver

20/02/29 00:32:09 INFO scheduler.TaskSetManager: Starting task 5.0 in stage 4.0 (TID 165, localhost, executor driver, partition 5, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:09 INFO scheduler.TaskSetManager: Finished task 4.0 in stage 4.0 (TID 164) in 3076 ms on localhost (executor driver) (5/40)

20/02/29 00:32:09 INFO executor.Executor: Running task 5.0 in stage 4.0 (TID 165)

20/02/29 00:32:09 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:09 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:09 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:09 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:13 INFO executor.Executor: Finished task 5.0 in stage 4.0 (TID 165). 1182 bytes result sent to driver

20/02/29 00:32:13 INFO scheduler.TaskSetManager: Starting task 6.0 in stage 4.0 (TID 166, localhost, executor driver, partition 6, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:13 INFO executor.Executor: Running task 6.0 in stage 4.0 (TID 166)

20/02/29 00:32:13 INFO scheduler.TaskSetManager: Finished task 5.0 in stage 4.0 (TID 165) in 3194 ms on localhost (executor driver) (6/40)

20/02/29 00:32:13 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:13 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:13 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:13 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:32:15 INFO executor.Executor: Finished task 6.0 in stage 4.0 (TID 166). 1182 bytes result sent to driver

20/02/29 00:32:15 INFO scheduler.TaskSetManager: Starting task 7.0 in stage 4.0 (TID 167, localhost, executor driver, partition 7, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:15 INFO scheduler.TaskSetManager: Finished task 6.0 in stage 4.0 (TID 166) in 2693 ms on localhost (executor driver) (7/40)

20/02/29 00:32:15 INFO executor.Executor: Running task 7.0 in stage 4.0 (TID 167)

20/02/29 00:32:15 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:15 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:15 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:15 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:19 INFO executor.Executor: Finished task 7.0 in stage 4.0 (TID 167). 1139 bytes result sent to driver

20/02/29 00:32:19 INFO scheduler.TaskSetManager: Starting task 8.0 in stage 4.0 (TID 168, localhost, executor driver, partition 8, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:19 INFO scheduler.TaskSetManager: Finished task 7.0 in stage 4.0 (TID 167) in 3151 ms on localhost (executor driver) (8/40)

20/02/29 00:32:19 INFO executor.Executor: Running task 8.0 in stage 4.0 (TID 168)

20/02/29 00:32:19 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:19 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:19 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:19 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:21 INFO executor.Executor: Finished task 8.0 in stage 4.0 (TID 168). 1182 bytes result sent to driver

20/02/29 00:32:21 INFO scheduler.TaskSetManager: Starting task 9.0 in stage 4.0 (TID 169, localhost, executor driver, partition 9, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:21 INFO scheduler.TaskSetManager: Finished task 8.0 in stage 4.0 (TID 168) in 2719 ms on localhost (executor driver) (9/40)

20/02/29 00:32:21 INFO executor.Executor: Running task 9.0 in stage 4.0 (TID 169)

20/02/29 00:32:21 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:21 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:21 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:21 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:24 INFO executor.Executor: Finished task 9.0 in stage 4.0 (TID 169). 1182 bytes result sent to driver

20/02/29 00:32:24 INFO scheduler.TaskSetManager: Starting task 10.0 in stage 4.0 (TID 170, localhost, executor driver, partition 10, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:24 INFO scheduler.TaskSetManager: Finished task 9.0 in stage 4.0 (TID 169) in 3056 ms on localhost (executor driver) (10/40)

20/02/29 00:32:24 INFO executor.Executor: Running task 10.0 in stage 4.0 (TID 170)

20/02/29 00:32:24 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:24 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:24 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:24 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:27 INFO executor.Executor: Finished task 10.0 in stage 4.0 (TID 170). 1182 bytes result sent to driver

20/02/29 00:32:27 INFO scheduler.TaskSetManager: Starting task 11.0 in stage 4.0 (TID 171, localhost, executor driver, partition 11, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:27 INFO scheduler.TaskSetManager: Finished task 10.0 in stage 4.0 (TID 170) in 2691 ms on localhost (executor driver) (11/40)

20/02/29 00:32:27 INFO executor.Executor: Running task 11.0 in stage 4.0 (TID 171)

20/02/29 00:32:27 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:27 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:32:27 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:27 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:30 INFO executor.Executor: Finished task 11.0 in stage 4.0 (TID 171). 1182 bytes result sent to driver

20/02/29 00:32:30 INFO scheduler.TaskSetManager: Starting task 12.0 in stage 4.0 (TID 172, localhost, executor driver, partition 12, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:30 INFO scheduler.TaskSetManager: Finished task 11.0 in stage 4.0 (TID 171) in 3122 ms on localhost (executor driver) (12/40)

20/02/29 00:32:30 INFO executor.Executor: Running task 12.0 in stage 4.0 (TID 172)

20/02/29 00:32:30 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:30 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:30 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:30 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:33 INFO executor.Executor: Finished task 12.0 in stage 4.0 (TID 172). 1182 bytes result sent to driver

20/02/29 00:32:33 INFO scheduler.TaskSetManager: Starting task 13.0 in stage 4.0 (TID 173, localhost, executor driver, partition 13, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:33 INFO scheduler.TaskSetManager: Finished task 12.0 in stage 4.0 (TID 172) in 2661 ms on localhost (executor driver) (13/40)

20/02/29 00:32:33 INFO executor.Executor: Running task 13.0 in stage 4.0 (TID 173)

20/02/29 00:32:33 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:33 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:33 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:33 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:35 INFO executor.Executor: Finished task 13.0 in stage 4.0 (TID 173). 1182 bytes result sent to driver

20/02/29 00:32:35 INFO scheduler.TaskSetManager: Starting task 14.0 in stage 4.0 (TID 174, localhost, executor driver, partition 14, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:35 INFO scheduler.TaskSetManager: Finished task 13.0 in stage 4.0 (TID 173) in 2704 ms on localhost (executor driver) (14/40)

20/02/29 00:32:35 INFO executor.Executor: Running task 14.0 in stage 4.0 (TID 174)

20/02/29 00:32:35 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:35 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:35 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:35 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:32:39 INFO executor.Executor: Finished task 14.0 in stage 4.0 (TID 174). 1182 bytes result sent to driver

20/02/29 00:32:39 INFO scheduler.TaskSetManager: Starting task 15.0 in stage 4.0 (TID 175, localhost, executor driver, partition 15, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:39 INFO scheduler.TaskSetManager: Finished task 14.0 in stage 4.0 (TID 174) in 3065 ms on localhost (executor driver) (15/40)

20/02/29 00:32:39 INFO executor.Executor: Running task 15.0 in stage 4.0 (TID 175)

20/02/29 00:32:39 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:39 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:39 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:39 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:41 INFO executor.Executor: Finished task 15.0 in stage 4.0 (TID 175). 1182 bytes result sent to driver

20/02/29 00:32:41 INFO scheduler.TaskSetManager: Starting task 16.0 in stage 4.0 (TID 176, localhost, executor driver, partition 16, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:41 INFO scheduler.TaskSetManager: Finished task 15.0 in stage 4.0 (TID 175) in 2688 ms on localhost (executor driver) (16/40)

20/02/29 00:32:41 INFO executor.Executor: Running task 16.0 in stage 4.0 (TID 176)

20/02/29 00:32:41 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:41 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:41 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:41 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:44 INFO executor.Executor: Finished task 16.0 in stage 4.0 (TID 176). 1182 bytes result sent to driver

20/02/29 00:32:44 INFO scheduler.TaskSetManager: Starting task 17.0 in stage 4.0 (TID 177, localhost, executor driver, partition 17, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:44 INFO scheduler.TaskSetManager: Finished task 16.0 in stage 4.0 (TID 176) in 3180 ms on localhost (executor driver) (17/40)

20/02/29 00:32:44 INFO executor.Executor: Running task 17.0 in stage 4.0 (TID 177)

20/02/29 00:32:44 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:44 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:32:44 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:44 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:47 INFO executor.Executor: Finished task 17.0 in stage 4.0 (TID 177). 1182 bytes result sent to driver

20/02/29 00:32:47 INFO scheduler.TaskSetManager: Starting task 18.0 in stage 4.0 (TID 178, localhost, executor driver, partition 18, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:47 INFO scheduler.TaskSetManager: Finished task 17.0 in stage 4.0 (TID 177) in 2684 ms on localhost (executor driver) (18/40)

20/02/29 00:32:47 INFO executor.Executor: Running task 18.0 in stage 4.0 (TID 178)

20/02/29 00:32:47 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:47 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:47 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:47 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:32:50 INFO executor.Executor: Finished task 18.0 in stage 4.0 (TID 178). 1182 bytes result sent to driver

20/02/29 00:32:50 INFO scheduler.TaskSetManager: Starting task 19.0 in stage 4.0 (TID 179, localhost, executor driver, partition 19, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:50 INFO scheduler.TaskSetManager: Finished task 18.0 in stage 4.0 (TID 178) in 2688 ms on localhost (executor driver) (19/40)

20/02/29 00:32:50 INFO executor.Executor: Running task 19.0 in stage 4.0 (TID 179)

20/02/29 00:32:50 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:50 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:50 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:50 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:53 INFO executor.Executor: Finished task 19.0 in stage 4.0 (TID 179). 1139 bytes result sent to driver

20/02/29 00:32:53 INFO scheduler.TaskSetManager: Starting task 20.0 in stage 4.0 (TID 180, localhost, executor driver, partition 20, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:53 INFO scheduler.TaskSetManager: Finished task 19.0 in stage 4.0 (TID 179) in 3367 ms on localhost (executor driver) (20/40)

20/02/29 00:32:53 INFO executor.Executor: Running task 20.0 in stage 4.0 (TID 180)

20/02/29 00:32:53 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:53 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:53 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:53 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:56 INFO executor.Executor: Finished task 20.0 in stage 4.0 (TID 180). 1182 bytes result sent to driver

20/02/29 00:32:56 INFO scheduler.TaskSetManager: Starting task 21.0 in stage 4.0 (TID 181, localhost, executor driver, partition 21, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:56 INFO executor.Executor: Running task 21.0 in stage 4.0 (TID 181)

20/02/29 00:32:56 INFO scheduler.TaskSetManager: Finished task 20.0 in stage 4.0 (TID 180) in 2747 ms on localhost (executor driver) (21/40)

20/02/29 00:32:56 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:56 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:56 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:56 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:32:59 INFO executor.Executor: Finished task 21.0 in stage 4.0 (TID 181). 1182 bytes result sent to driver

20/02/29 00:32:59 INFO scheduler.TaskSetManager: Starting task 22.0 in stage 4.0 (TID 182, localhost, executor driver, partition 22, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:32:59 INFO scheduler.TaskSetManager: Finished task 21.0 in stage 4.0 (TID 181) in 2658 ms on localhost (executor driver) (22/40)

20/02/29 00:32:59 INFO executor.Executor: Running task 22.0 in stage 4.0 (TID 182)

20/02/29 00:32:59 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:32:59 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:32:59 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:32:59 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:02 INFO executor.Executor: Finished task 22.0 in stage 4.0 (TID 182). 1139 bytes result sent to driver

20/02/29 00:33:02 INFO scheduler.TaskSetManager: Starting task 23.0 in stage 4.0 (TID 183, localhost, executor driver, partition 23, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:02 INFO executor.Executor: Running task 23.0 in stage 4.0 (TID 183)

20/02/29 00:33:02 INFO scheduler.TaskSetManager: Finished task 22.0 in stage 4.0 (TID 182) in 3037 ms on localhost (executor driver) (23/40)

20/02/29 00:33:02 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:02 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:02 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:02 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:04 INFO executor.Executor: Finished task 23.0 in stage 4.0 (TID 183). 1139 bytes result sent to driver

20/02/29 00:33:04 INFO scheduler.TaskSetManager: Starting task 24.0 in stage 4.0 (TID 184, localhost, executor driver, partition 24, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:04 INFO scheduler.TaskSetManager: Finished task 23.0 in stage 4.0 (TID 183) in 2678 ms on localhost (executor driver) (24/40)

20/02/29 00:33:04 INFO executor.Executor: Running task 24.0 in stage 4.0 (TID 184)

20/02/29 00:33:04 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:04 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:04 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:04 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:07 INFO executor.Executor: Finished task 24.0 in stage 4.0 (TID 184). 1139 bytes result sent to driver

20/02/29 00:33:07 INFO scheduler.TaskSetManager: Starting task 25.0 in stage 4.0 (TID 185, localhost, executor driver, partition 25, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:07 INFO scheduler.TaskSetManager: Finished task 24.0 in stage 4.0 (TID 184) in 2670 ms on localhost (executor driver) (25/40)

20/02/29 00:33:07 INFO executor.Executor: Running task 25.0 in stage 4.0 (TID 185)

20/02/29 00:33:07 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:07 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:33:07 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:07 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:10 INFO executor.Executor: Finished task 25.0 in stage 4.0 (TID 185). 1182 bytes result sent to driver

20/02/29 00:33:10 INFO scheduler.TaskSetManager: Starting task 26.0 in stage 4.0 (TID 186, localhost, executor driver, partition 26, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:10 INFO scheduler.TaskSetManager: Finished task 25.0 in stage 4.0 (TID 185) in 3171 ms on localhost (executor driver) (26/40)

20/02/29 00:33:10 INFO executor.Executor: Running task 26.0 in stage 4.0 (TID 186)

20/02/29 00:33:10 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:10 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:33:10 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:10 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:13 INFO executor.Executor: Finished task 26.0 in stage 4.0 (TID 186). 1182 bytes result sent to driver

20/02/29 00:33:13 INFO scheduler.TaskSetManager: Starting task 27.0 in stage 4.0 (TID 187, localhost, executor driver, partition 27, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:13 INFO scheduler.TaskSetManager: Finished task 26.0 in stage 4.0 (TID 186) in 2684 ms on localhost (executor driver) (27/40)

20/02/29 00:33:13 INFO executor.Executor: Running task 27.0 in stage 4.0 (TID 187)

20/02/29 00:33:13 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:13 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:33:13 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:13 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:15 INFO executor.Executor: Finished task 27.0 in stage 4.0 (TID 187). 1182 bytes result sent to driver

20/02/29 00:33:15 INFO scheduler.TaskSetManager: Starting task 28.0 in stage 4.0 (TID 188, localhost, executor driver, partition 28, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:15 INFO scheduler.TaskSetManager: Finished task 27.0 in stage 4.0 (TID 187) in 2678 ms on localhost (executor driver) (28/40)

20/02/29 00:33:15 INFO executor.Executor: Running task 28.0 in stage 4.0 (TID 188)

20/02/29 00:33:15 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:15 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:15 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:15 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:18 INFO executor.Executor: Finished task 28.0 in stage 4.0 (TID 188). 1182 bytes result sent to driver

20/02/29 00:33:18 INFO scheduler.TaskSetManager: Starting task 29.0 in stage 4.0 (TID 189, localhost, executor driver, partition 29, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:18 INFO scheduler.TaskSetManager: Finished task 28.0 in stage 4.0 (TID 188) in 2705 ms on localhost (executor driver) (29/40)

20/02/29 00:33:18 INFO executor.Executor: Running task 29.0 in stage 4.0 (TID 189)

20/02/29 00:33:18 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:18 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:33:18 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:18 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:21 INFO executor.Executor: Finished task 29.0 in stage 4.0 (TID 189). 1182 bytes result sent to driver

20/02/29 00:33:21 INFO scheduler.TaskSetManager: Starting task 30.0 in stage 4.0 (TID 190, localhost, executor driver, partition 30, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:21 INFO scheduler.TaskSetManager: Finished task 29.0 in stage 4.0 (TID 189) in 3029 ms on localhost (executor driver) (30/40)

20/02/29 00:33:21 INFO executor.Executor: Running task 30.0 in stage 4.0 (TID 190)

20/02/29 00:33:21 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:21 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:21 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:21 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:24 INFO executor.Executor: Finished task 30.0 in stage 4.0 (TID 190). 1182 bytes result sent to driver

20/02/29 00:33:24 INFO scheduler.TaskSetManager: Starting task 31.0 in stage 4.0 (TID 191, localhost, executor driver, partition 31, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:24 INFO scheduler.TaskSetManager: Finished task 30.0 in stage 4.0 (TID 190) in 2716 ms on localhost (executor driver) (31/40)

20/02/29 00:33:24 INFO executor.Executor: Running task 31.0 in stage 4.0 (TID 191)

20/02/29 00:33:24 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:24 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:33:24 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:24 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:27 INFO executor.Executor: Finished task 31.0 in stage 4.0 (TID 191). 1182 bytes result sent to driver

20/02/29 00:33:27 INFO scheduler.TaskSetManager: Starting task 32.0 in stage 4.0 (TID 192, localhost, executor driver, partition 32, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:27 INFO executor.Executor: Running task 32.0 in stage 4.0 (TID 192)

20/02/29 00:33:27 INFO scheduler.TaskSetManager: Finished task 31.0 in stage 4.0 (TID 191) in 2704 ms on localhost (executor driver) (32/40)

20/02/29 00:33:27 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:27 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:27 INFO storage.ShuffleBlockFetcherIterator: Getting 22 non-empty blocks including 22 local blocks and 0 remote blocks

20/02/29 00:33:27 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:30 INFO executor.Executor: Finished task 32.0 in stage 4.0 (TID 192). 1182 bytes result sent to driver

20/02/29 00:33:30 INFO scheduler.TaskSetManager: Starting task 33.0 in stage 4.0 (TID 193, localhost, executor driver, partition 33, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:30 INFO scheduler.TaskSetManager: Finished task 32.0 in stage 4.0 (TID 192) in 3240 ms on localhost (executor driver) (33/40)

20/02/29 00:33:30 INFO executor.Executor: Running task 33.0 in stage 4.0 (TID 193)

20/02/29 00:33:30 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:30 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:33:30 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:30 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:33 INFO executor.Executor: Finished task 33.0 in stage 4.0 (TID 193). 1139 bytes result sent to driver

20/02/29 00:33:33 INFO scheduler.TaskSetManager: Starting task 34.0 in stage 4.0 (TID 194, localhost, executor driver, partition 34, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:33 INFO scheduler.TaskSetManager: Finished task 33.0 in stage 4.0 (TID 193) in 2662 ms on localhost (executor driver) (34/40)

20/02/29 00:33:33 INFO executor.Executor: Running task 34.0 in stage 4.0 (TID 194)

20/02/29 00:33:33 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:33 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:33 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:33 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 1 ms

20/02/29 00:33:35 INFO executor.Executor: Finished task 34.0 in stage 4.0 (TID 194). 1182 bytes result sent to driver

20/02/29 00:33:35 INFO scheduler.TaskSetManager: Starting task 35.0 in stage 4.0 (TID 195, localhost, executor driver, partition 35, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:35 INFO executor.Executor: Running task 35.0 in stage 4.0 (TID 195)

20/02/29 00:33:35 INFO scheduler.TaskSetManager: Finished task 34.0 in stage 4.0 (TID 194) in 2664 ms on localhost (executor driver) (35/40)

20/02/29 00:33:35 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:35 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:35 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:35 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:38 INFO executor.Executor: Finished task 35.0 in stage 4.0 (TID 195). 1139 bytes result sent to driver

20/02/29 00:33:38 INFO scheduler.TaskSetManager: Starting task 36.0 in stage 4.0 (TID 196, localhost, executor driver, partition 36, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:38 INFO scheduler.TaskSetManager: Finished task 35.0 in stage 4.0 (TID 195) in 2663 ms on localhost (executor driver) (36/40)

20/02/29 00:33:38 INFO executor.Executor: Running task 36.0 in stage 4.0 (TID 196)

20/02/29 00:33:38 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:38 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:38 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:38 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:41 INFO executor.Executor: Finished task 36.0 in stage 4.0 (TID 196). 1139 bytes result sent to driver

20/02/29 00:33:41 INFO scheduler.TaskSetManager: Starting task 37.0 in stage 4.0 (TID 197, localhost, executor driver, partition 37, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:41 INFO scheduler.TaskSetManager: Finished task 36.0 in stage 4.0 (TID 196) in 3079 ms on localhost (executor driver) (37/40)

20/02/29 00:33:41 INFO executor.Executor: Running task 37.0 in stage 4.0 (TID 197)

20/02/29 00:33:41 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:41 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:41 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:41 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:44 INFO executor.Executor: Finished task 37.0 in stage 4.0 (TID 197). 1182 bytes result sent to driver

20/02/29 00:33:44 INFO scheduler.TaskSetManager: Starting task 38.0 in stage 4.0 (TID 198, localhost, executor driver, partition 38, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:44 INFO scheduler.TaskSetManager: Finished task 37.0 in stage 4.0 (TID 197) in 2651 ms on localhost (executor driver) (38/40)

20/02/29 00:33:44 INFO executor.Executor: Running task 38.0 in stage 4.0 (TID 198)

20/02/29 00:33:44 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:44 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:44 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:44 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:46 INFO executor.Executor: Finished task 38.0 in stage 4.0 (TID 198). 1182 bytes result sent to driver

20/02/29 00:33:46 INFO scheduler.TaskSetManager: Starting task 39.0 in stage 4.0 (TID 199, localhost, executor driver, partition 39, PROCESS\_LOCAL, 7204 bytes)

20/02/29 00:33:46 INFO scheduler.TaskSetManager: Finished task 38.0 in stage 4.0 (TID 198) in 2683 ms on localhost (executor driver) (39/40)

20/02/29 00:33:46 INFO executor.Executor: Running task 39.0 in stage 4.0 (TID 199)

20/02/29 00:33:46 INFO storage.ShuffleBlockFetcherIterator: Getting 40 non-empty blocks including 40 local blocks and 0 remote blocks

20/02/29 00:33:46 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:46 INFO storage.ShuffleBlockFetcherIterator: Getting 23 non-empty blocks including 23 local blocks and 0 remote blocks

20/02/29 00:33:46 INFO storage.ShuffleBlockFetcherIterator: Started 0 remote fetches in 0 ms

20/02/29 00:33:49 INFO executor.Executor: Finished task 39.0 in stage 4.0 (TID 199). 1182 bytes result sent to driver

20/02/29 00:33:49 INFO scheduler.TaskSetManager: Finished task 39.0 in stage 4.0 (TID 199) in 2697 ms on localhost (executor driver) (40/40)

20/02/29 00:33:49 INFO scheduler.TaskSchedulerImpl: Removed TaskSet 4.0, whose tasks have all completed, from pool

20/02/29 00:33:49 INFO scheduler.DAGScheduler: ResultStage 4 (count at RSjoinRDD.scala:39) finished in 115.089 s

20/02/29 00:33:49 INFO scheduler.DAGScheduler: Job 0 finished: count at RSjoinRDD.scala:39, took 265.616649 s

20/02/29 00:33:49 INFO Configuration.deprecation: mapred.output.dir is deprecated. Instead, use mapreduce.output.fileoutputformat.outputdir

20/02/29 00:33:49 INFO io.HadoopMapRedCommitProtocol: Using output committer class org.apache.hadoop.mapred.FileOutputCommitter

20/02/29 00:33:49 INFO output.FileOutputCommitter: File Output Committer Algorithm version is 1

20/02/29 00:33:49 INFO output.FileOutputCommitter: FileOutputCommitter skip cleanup \_temporary folders under output directory:false, ignore cleanup failures: false

20/02/29 00:33:49 INFO spark.SparkContext: Starting job: runJob at SparkHadoopWriter.scala:78

20/02/29 00:33:49 INFO scheduler.DAGScheduler: Got job 1 (runJob at SparkHadoopWriter.scala:78) with 1 output partitions

20/02/29 00:33:49 INFO scheduler.DAGScheduler: Final stage: ResultStage 5 (runJob at SparkHadoopWriter.scala:78)

20/02/29 00:33:49 INFO scheduler.DAGScheduler: Parents of final stage: List()

20/02/29 00:33:49 INFO scheduler.DAGScheduler: Missing parents: List()

20/02/29 00:33:49 INFO scheduler.DAGScheduler: Submitting ResultStage 5 (MapPartitionsRDD[17] at saveAsTextFile at RSjoinRDD.scala:41), which has no missing parents

20/02/29 00:33:49 INFO memory.MemoryStore: Block broadcast\_6 stored as values in memory (estimated size 85.0 KB, free 365.9 MB)

20/02/29 00:33:49 INFO memory.MemoryStore: Block broadcast\_6\_piece0 stored as bytes in memory (estimated size 30.7 KB, free 365.8 MB)

20/02/29 00:33:49 INFO storage.BlockManagerInfo: Added broadcast\_6\_piece0 in memory on 10.110.20.230:57686 (size: 30.7 KB, free: 366.2 MB)

20/02/29 00:33:49 INFO spark.SparkContext: Created broadcast 6 from broadcast at DAGScheduler.scala:1163

20/02/29 00:33:49 INFO scheduler.DAGScheduler: Submitting 1 missing tasks from ResultStage 5 (MapPartitionsRDD[17] at saveAsTextFile at RSjoinRDD.scala:41) (first 15 tasks are for partitions Vector(0))

20/02/29 00:33:49 INFO scheduler.TaskSchedulerImpl: Adding task set 5.0 with 1 tasks

20/02/29 00:33:49 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 5.0 (TID 200, localhost, executor driver, partition 0, PROCESS\_LOCAL, 7416 bytes)

20/02/29 00:33:49 INFO executor.Executor: Running task 0.0 in stage 5.0 (TID 200)

20/02/29 00:33:49 INFO io.HadoopMapRedCommitProtocol: Using output committer class org.apache.hadoop.mapred.FileOutputCommitter

20/02/29 00:33:49 INFO output.FileOutputCommitter: File Output Committer Algorithm version is 1

20/02/29 00:33:49 INFO output.FileOutputCommitter: FileOutputCommitter skip cleanup \_temporary folders under output directory:false, ignore cleanup failures: false

20/02/29 00:33:49 INFO output.FileOutputCommitter: Saved output of task 'attempt\_20200229003349\_0017\_m\_000000\_0' to file:/Users/snehgurdasani/Documents/CS4240\_Large\_Scale\_Data\_Processing/Homeworks/homework3/Spark-Demo-RS-RDD/output/\_temporary/0/task\_20200229003349\_0017\_m\_000000

20/02/29 00:33:49 INFO mapred.SparkHadoopMapRedUtil: attempt\_20200229003349\_0017\_m\_000000\_0: Committed

20/02/29 00:33:49 INFO executor.Executor: Finished task 0.0 in stage 5.0 (TID 200). 1035 bytes result sent to driver

20/02/29 00:33:49 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 5.0 (TID 200) in 110 ms on localhost (executor driver) (1/1)

20/02/29 00:33:49 INFO scheduler.TaskSchedulerImpl: Removed TaskSet 5.0, whose tasks have all completed, from pool

20/02/29 00:33:49 INFO scheduler.DAGScheduler: ResultStage 5 (runJob at SparkHadoopWriter.scala:78) finished in 0.133 s

20/02/29 00:33:49 INFO scheduler.DAGScheduler: Job 1 finished: runJob at SparkHadoopWriter.scala:78, took 0.135692 s

20/02/29 00:33:49 INFO io.SparkHadoopWriter: Job job\_20200229003349\_0017 committed.

20/02/29 00:33:49 INFO spark.SparkContext: Invoking stop() from shutdown hook

20/02/29 00:33:49 INFO server.AbstractConnector: Stopped Spark@6ab72419{HTTP/1.1,[http/1.1]}{0.0.0.0:4040}

20/02/29 00:33:49 INFO ui.SparkUI: Stopped Spark web UI at http://10.110.20.230:4040

20/02/29 00:33:49 INFO spark.MapOutputTrackerMasterEndpoint: MapOutputTrackerMasterEndpoint stopped!

20/02/29 00:33:49 INFO memory.MemoryStore: MemoryStore cleared

20/02/29 00:33:49 INFO storage.BlockManager: BlockManager stopped

20/02/29 00:33:49 INFO storage.BlockManagerMaster: BlockManagerMaster stopped

20/02/29 00:33:49 INFO scheduler.OutputCommitCoordinator$OutputCommitCoordinatorEndpoint: OutputCommitCoordinator stopped!

20/02/29 00:33:49 INFO spark.SparkContext: Successfully stopped SparkContext

20/02/29 00:33:49 INFO util.ShutdownHookManager: Shutdown hook called

20/02/29 00:33:49 INFO util.ShutdownHookManager: Deleting directory /private/var/folders/nj/f9l6vhs50h975cdq0gphfn500000gn/T/spark-1fbb8657-4bcb-41ba-a22a-9ed2153cf567

20/02/29 00:33:49 INFO util.ShutdownHookManager: Deleting directory /private/var/folders/nj/f9l6vhs50h975cdq0gphfn500000gn/T/spark-9b4dbf4d-89f2-4e06-98da-05fb0db6ad24