5.13

只遍历数据:

db遍历rows, parse 遍历unit

```
(base) nvidia@nvidia:~/caofangyu/sqlite$ python xunhuan.py db
db use time: 0.08040618896484375
(base) nvidia@nvidia:~/caofangyu/sqlite$ echo 3 | sudo tee /proc/sys/vm/drop_caches
3
(base) nvidia@nvidia:~/caofangyu/sqlite$ python xunhuan.py parse
parse use time: 0.22032856941223145
(base) nvidia@nvidia:~/caofangyu/sqlite$
```

只进行seek:

```
base) nvidia@nvidia:~/caofangyu/sqlite$ python xunhuan.py db

lb use time : 0.08304691314697266
base) nvidia@nvidia:~/caofangyu/sqlite$ echo 3 | sudo tee /proc/sys/vm/drop_caches

base) nvidia@nvidia:~/caofangyu/sqlite$ python xunhuan.py parse

barse use time : 0.2737588882446289
base) nvidia@nvidia:~/caofangyu/sqlite$ [
```

进行到f.read():

```
(base) nvidia@nvidia:~/caofangyu/sqlite$ python xunhuan.py db
db use time: 3.466994047164917
(base) nvidia@nvidia:~/caofangyu/sqlite$ echo 3 | sudo tee /proc/sys/vm/drop_caches
3
(base) nvidia@nvidia:~/caofangyu/sqlite$ python xunhuan.py parse
parse use time: 3.8028042316436768
(base) nvidia@nvidia:~/caofangyu/sqlite$
```

正常解析:

```
(base) nvidia@nvidia:-/caofangyu/sqlite$ vim xunnuan.py
(base) nvidia@nvidia:-/caofangyu/sqlite$ python xunhuan.py db
db use time : 3.6961023807525635
(base) nvidia@nvidia:-/caofangyu/sqlite$ echo 3 | sudo tee /proc/sys/vm/drop_caches
(base) nvidia@nvidia:-/caofangyu/sqlite$ python xunhuan.py parse^C
(base) nvidia@nvidia:-/caofangyu/sqlite$ echo 3 | sudo tee /proc/sys/vm/drop_caches
3
(base) nvidia@nvidia:-/caofangyu/sqlite$ python xunhuan.py parse
parse use time : 3.992767333984375
(base) nvidia@nvidia:-/caofangyu/sqlite$ [
```

arm3测试sqlite性能影响

test_sql:

22.7% - 24%

```
0 45.049g
                    0 1534872
8006 zhengtu
                                21124
                                        5212 S
                                                            0:03.01 record_bag
               20
                                                 0.3
2260 zhengtu
                        20144
                                10236
                                        3748 R
                                                            0:00.30 top
                                                            0:00.04 entrypoint.sh
  1 root
                        3656
                                2664
                                        2376 S
                        10416
 140 syslog
                                        2804 S
                                                            0:00.37 rsyslogd
                                3240
                                        2780 S
                                                      0.0
                                                            0:00.00 sudo
               20
20
155 zhengtu
                                                      0.0
                                3116
                                        2548 S
                                                            0:00.02 bash
180 zhengtu
                                        3616 S
                    0 13.565g 2.917g
                                                            8:57.72 java
 768 zhengtu
                    0 10748
0 10736
2127 zhengtu
                                        3616 S
2308 zhengtu
                               10036
                                        3960 S
                                                 0.0 0.0
                                                            0:00.02 bash
7981 zhengtu
                        18588
                                        3928 S
                                                     0.0
                                                            0:00.03 bash
                                                 0.0
```

只存储localization:

19.6%左右,存在向下跳变,有时候降到9%,play_bag也一起降

不存sqlite: (使用master:

5f15268321fd005650b79e357dd8e3566a30b96c)

18%-20% 性能与只存储localization时接近

添加配置文件后:

存储的数据类型1

(REMOTE_CONTROL, DRIVING_RECORD, TAKE_OVER_DRIVING_RECORD, PLANNING_INFO, LOCALIZATION, MONITOR)

结果

18%-20%左右。

-> % top grep	record	d bag						
9179 zhengtu		1533852	20212	4704 S	20.0	0.1	0:01.83 r	ecord bag
9179 zhengtu	20 6	1534876	21284	4704 S	20.3	0.1	0:02.44 r	ecord_bag
9179 zhengtu	20 6	1539996	26784	4704 S	18.3	0.1	0:02.99 r	ecord_bag
9179 zhengtu	20 6	1539996	26876	4704 S	19.6	0.1	0:03.58 r	ecord_bag
9179 zhengtu	20 0	1539996	27000	4704 S	19.3	0.1	0:04.16 r	ecord_bag
9179 zhengtu	20 0	1539996	27184	4704 S	19.6	0.1	0:04.75 r	ecord_bag
9179 zhengtu	20 0	1539996	27216	4704 S	19.6	0.1	0:05.34 r	ecord_bag
9179 zhengtu	20 0	1551260	37988	4704 S	18.9	0.1	0:05.91 r	ecord_bag
9179 zhengtu	20 6	1551260	38200	4704 S	18.3	0.1	0:06.46 r	ecord_bag
9179 zhengtu	20 6	1551260	38260	4704 S	8.6	0.1	0:06.72 r	ecord_bag
9179 zhengtu	20 6	1551260	39296	5528 S	10.3	0.1	0:07.03 r	ecord_bag
9179 zhengtu	20 6	1551260	39360	5528 S	20.3	0.1	0:07.64 r	ecord_bag
9179 zhengtu	20 0	1551260	39428	5528 S	19.3	0.1	0:08.22 r	ecord_bag
9179 zhengtu	20 6	1551260	39428	5528 S	18.9	0.1	0:08.79 r	ecord_bag
9179 zhengtu	20	1551260	39452	5528 S	18.3	0.1	0:09.34 r	ecord_bag
9179 zhengtu		1551260	39468	5528 S	19.0	0.1	0:09.91 r	ecord_bag
9179 zhengtu	20		39468	5528 S	18.6	0.1	0:10.47 r	ecord_bag
9179 zhengtu		1551260	39488	5528 S	18.9	0.1	0:11.04 r	ecord_bag
9179 zhengtu		1551260	39496	5528 S	18.9	0.1	0:11.61 r	ecord_bag
9179 zhengtu		1551260	39496	5528 S	18.6	0.1	0:12.17 r	ecord_bag
9179 zhengtu		1551260	39500	5528 S	18.3	0.1	0:12.72 r	ecord_bag
9179 zhengtu	20 0		39556	5528 S	18.6	0.1	0:13.28 r	ecord_bag
9179 zhengtu		1572764	60164	5528 S	17.3	0.2	0:13.80 r	ecord_bag
9179 zhengtu		1572764	60168	5528 S	18.9	0.2	0:14.37 r	ecord_bag
9179 zhengtu		1572764	60196	5528 S	18.3	0.2	0:14.92 r	ecord_bag
9179 zhengtu		1572764	60388	5528 S	18.6	0.2	0:15.48 r	ecord_bag
9179 zhengtu		1572764	60584	5528 S	18.9	0.2	0:16.05 r	ecord_bag
9179 zhengtu		1572764	60620	5528 S	18.9	0.2	0:16.62 r	ecord_bag
9179 zhengtu		1572764	60680	5528 S	17.6	0.2	0:17.15 r	ecord_bag
9179 zhengtu		1572764	60680	5528 S	8.6	0.2	0:17.41 r	ecord_bag
9179 zhengtu	20 6		60692	5528 S	11.3	0.2	0:17.75 r	ecord_bag
9179 zhengtu		1572764	60716	5528 S	19.7	0.2	0:18.34 r	ecord_bag
9179 zhengtu		1572764	60748	5528 S	18.9	0.2	0:18.91 r	ecord_bag
9179 zhengtu		1572764	60748	5528 S	18.6	0.2	0:19.47	ecord_bag
9179 zhengtu		1572764	60768	5528 S	18.6	0.2	0:20.03 T	ecoru_bag
9179 zhengtu	20 6		60780	5528 S	18.9	0.2	0:20.60 T	ecoru_bay
9179 zhengtu		1572764	60780	5528 S	18.9	0.2	0:21.17 r	ecord_bag
9179 zhengtu		1572764	60780	5528 S	19.6	0.2	0:21.76	ecord_bag
9179 zhengtu 9179 zhengtu		1572764 1572764	60780 60780	5528 S 5528 S	19.0 18.9	0.2	0:22.33 r 0:22.90 r	ecord_bag
91/9 Zileliqtu	20 (13/2/04	00700	3320 3	10.9	0.2	0.22.90	ecoru pay

删除一些数据量大的数据

环境: arm3 使用bag: data/bag/howo38_2022_04_22_08_50_11_13.msg

删除的数据类型: COMPRESSED_CAMERA_HEAD_LEFT_PROTO, COMPRESSED_CAMERA_HEAD_RIGHT_PROTO,LIDAR_PACKET_MAIN, LIDAR_PACKET_HEAD_MID,LIDAR_PACKET_HEAD_RIGHT,LIDAR_PACKET_TAIL_MID,LIDAR_PACKET_TOP_MID

依据:

```
GNSS_INS: 5674msgs, 1.43MB
VISION_LANE: 600msgs, 48.8MB
LIDAR_OBSTACLES: 518msgs, 1.55MB
COMPRESSED_CAMERA_HEAD_LEFT_PROTO: 600msgs, 355MB
COMPRESSED_CAMERA_HEAD_RIGHT_PROTO: 600msgs, 369MB
LIDAR_PACKET_MAIN: 537msgs, 194MB
LIDAR PACKET HEAD MID: 538msqs, 195MB
MESSAGE_SERVICE_STATUS: 1080msgs, 2.51MB
TRAILER_DETECTION: 3660msgs, 0.712MB
MODULE_STATUS: 801msqs, 0.0637MB
LIDAR_PACKET_HEAD_RIGHT: 538msgs, 195MB
LIDAR_PACKET_TAIL_MID: 538msgs, 97.3MB
REMOTE_CONTROL: 55msgs, 0.00551MB
TASK_STATE: 516msgs, 0.0231MB
CRANE DETECTION: 540msqs, 1.67MB
LIDAR_PACKET_TOP_MID: 537msqs, 97.1MB
REMOTE_ENVIRONMENT: 582msgs, 3.52MB
CLIMATE: 1msgs, 3.15e-05MB
RELAY_COMMAND: 1msgs, 4.48e-05MB
ANTENNA_EXECUTION_INFO: 61msgs, 0.00382MB
PLANNING_INFO: 516msgs, 0.301MB
DRIVING_RECORD: 5msgs, 0.000458MB
ANTENNA_HANDLE_CONTROL: 60msgs, 0.00401MB
ANTI_FATIGUE: 60msgs, 0.00195MB
EVENT_INFO: 172msgs, 0.0369MB
V2I_TX: 516msgs, 1.05MB
V2I_RX: 296msgs, 2.82MB
SYNC_TIME_GAP: 600msgs, 0.0275MB
ACTIVE_SAFETY_TRAJECTORY: 593msgs, 65.4MB
```

结果

22%-24%

27693	zhengtu	20	0 1622944	108840	5616 S	22.6	0.3	0:30.78	record han
	zhengtu		0 1622944		5616 S	22.9	0.3	0:31.47	record_bag
	zhengtu		0 1622944		5616 S	23.6	0.3	0:32.18	record_bag
	zhengtu		0 1622944		5616 S	23.6	0.3	0:32.89	record_bag
	zhengtu		1622944		5616 S	23.3	0.3	0:33.59	record_bag
	zhengtu		0 1622944		5616 S	15.0	0.3	0:34.04	record_bag
	zhengtu		0 1622944		5616 S	9.0	0.3	0:34.31	record_bag
	zhengtu		0 1622944		5616 S	20.0	0.3	0:34.91	record_bag
	zhengtu		0 1622944		5616 S	23.3	0.3	0:35.61	record_bag
	zhengtu		0 1622944		5616 S	23.6	0.3	0:36.32	record bag
	zhengtu		0 1622944		5616 S	23.6	0.3	0:37.03	record bag
	zhengtu		0 1622944		5616 S	22.9	0.3	0:37.72	record bag
	zhengtu		0 1622944		5616 S	23.9	0.3	0:38.44	record bag
	zhengtu		0 1622944		5616 S	24.3	0.3	0:39.17	record bag
	zhengtu		0 1622944		5616 S	23.9	0.3	0:39.89	record bag
	zhengtu		1622944		5616 S	22.6	0.3	0:40.57	record bag
	zhengtu		1622944		5616 S	22.9	0.3	0:41.26	record bag
27693	zhengtu	20	1622944	109104	5616 S	22.6	0.3	0:41.94	record_bag
27693	zhengtu	20	9 1622944	109104	5616 S	23.3	0.3	0:42.64	record_bag
27693	zhengtu	20	0 1622944	109112	5616 S	21.6	0.3	0:43.29	record_bag
27693	zhengtu	20	1622944	109112	5616 S	23.7	0.3	0:44.00	record_bag
27693	zhengtu	20	1622944	109112	5616 S	23.3	0.3	0:44.70	record_bag
27693	zhengtu	20	1622944	109112	5616 S	23.6	0.3	0:45.41	record_bag
27693	zhengtu	20	1622944	109112	5616 S	23.3	0.3	0:46.11	record_bag
27693	zhengtu		9 1622944		5616 S	23.3	0.3	0:46.81	record_bag
	zhengtu		9 1622944		5616 S	14.6	0.3	0:47.25	record_bag
	zhengtu		9 1622944		5616 S	11.6	0.3	0:47.60	record_bag
	zhengtu		0 1622944		5616 S	20.6	0.3	0:48.22	record_bag
	zhengtu		1622944		5616 S	19.3	0.3	0:48.80	record_bag
	zhengtu		1622944		5616 S	24.3	0.3	0:49.53	record_bag
	zhengtu		1622944		5616 S	23.3	0.3	0:50.23	record_bag
	zhengtu		1622944		5616 S	22.9	0.3	0:50.92	record_bag
	zhengtu		1622944		5616 S	23.6	0.3	0:51.63	record_bag
	zhengtu		9 1622944		5616 S	24.6	0.3	0:52.37	record_bag
	zhengtu		1622944		5616 S	23.9	0.3	0:53.09	record_bag
	zhengtu		1622944		5616 S	23.3	0.3	0:53.79	record_bag
	zhengtu		1622944		5616 S	23.4	0.3	0:54.01	record_bag
	zhengtu		1622944		5616 S	22.6	0.3	0:54.69	record_bag
	zhengtu		1622944		5616 S	22.9	0.3	0:55.38	record_bag
27693	zhengtu	20	1622944	109224	5616 S	22.7	0.3	0:56.06	record_bag

存储的数据类型2

保存的数据类型: (1的基础上增加event_info)

(REMOTE_CONTROL, DRIVING_RECORD, TAKE_OVER_DRIVING_RECORD, PLANNING_INFO, LOCALIZATION, MONITOR, EVENT_INFO)

结果

18%-20%左右,增加一个event_info影响不大。

- 70 cop grop	10001	u _	_bug					
8019 zhengtu	20	0	1099468	18268	5428 S	18.8	0.1	0:01.69 record_
8019 zhengtu	20	0	1099468	19228	5428 S	20.3	0.1	0:02.30 record_
8019 zhengtu	20	0	1101516	20428	5428 S	19.6	0.1	0:02.89 record_
8019 zhengtu	20	0	1102540	21540	5428 S	18.9	0.1	0:03.46 record
8019 zhengtu	20	0	1103564	22756	5428 S	19.3	0.1	0:04.04 record
8019 zhengtu	20	0	1104588	24220	5428 S	19.6	0.1	0:04.63 record_
8019 zhengtu	20	0	1104588	24256	5428 S	19.3	0.1	0:05.21 record_
8019 zhengtu	20		1114832	25828	5428 S	19.3	0.1	0:05.79 record_
8019 zhengtu	20	0	1114832	25976	5428 S	18.7	0.1	0:06.35 record_
8019 zhengtu	20	0	1130192	40712	5428 S	18.6	0.1	0:06.91 record_
8019 zhengtu	20	0	1130192	40740	5428 S	18.9	0.1	0:07.48 record_
8019 zhengtu	20	0	1130192	41012	5428 S	19.3	0.1	0:08.06 record_
8019 zhengtu	20		1130192	41028	5428 S	19.3	0.1	0:08.64 record_
8019 zhengtu	20	0	1130192	41172	5428 S	19.3	0.1	0:09.22 record
8019 zhengtu	20	0	1130192	41188	5428 S	20.6	0.1	0:09.84 record_
8019 zhengtu	20	0	1130192	41676	5428 S	19.3	0.1	0:10.42 record_
8019 zhengtu	20		1130192	41704	5428 S	17.3	0.1	0:10.94 record_
8019 zhengtu	20		1130192	41804	5428 S	9.3	0.1	0:11.22 record_
8019 zhengtu	20	0	1130192	41812	5428 S	11.6	0.1	0:11.37 record_
8019 zhengtu	20	0	1130192	41812	5428 S	16.6	0.1	0:11.87 record_
8019 zhengtu	20	0	1130192	41960	5428 S	18.9	0.1	0:12.44 record_
8019 zhengtu	20		1130192	41960	5428 S	20.2	0.1	0:12.81 record_
8019 zhengtu	20		1130192	41960	5428 S	19.3	0.1	0:13.39 record_
8019 zhengtu	20	0	1130192	41960	5428 S	19.6	0.1	0:13.98 record_
8019 zhengtu	20	0	1130192	41960	5428 S	19.3	0.1	0:14.56 record_
8019 zhengtu	20	0	1130192	41980	5428 S	18.9	0.1	0:15.13 record_
8019 zhengtu	20		1130192	42000	5428 S	19.3	0.1	0:15.71 record_
8019 zhengtu	20		1130192	42044	5428 S	19.3	0.1	0:16.29 record_
8019 zhengtu	20		1130192	42044	5428 S	18.3	0.1	0:16.70 record_
8019 zhengtu	20	0	1130192	42044	5428 S	19.3	0.1	0:17.28 record_
8019 zhengtu	20	0	1130192	42060	5428 S	19.0	0.1	0:17.85 record_
8019 zhengtu	20	0	1135312	46308	5428 S	17.9	0.1	0:18.39 record_
8019 zhengtu	20	0	1135312	46360	5428 S	19.3	0.1	0:18.97 record_
8019 zhengtu	20		1135312	46368	5428 S	19.3	0.1	0:19.55 record_
8019 zhengtu	20	0	1135312	46716	5428 S	18.3	0.1	0:20.10 record_
8019 zhengtu	20	0	1135312	46752	5428 S	20.3	0.1	0:20.71 record_
8019 zhengtu	20	0	1135312	47140	5428 S	19.3	0.1	0:21.29 record_
8019 zhengtu	20	0	1135312	47148	5428 S	19.3	0.1	0:21.87 record_
8019 zhengtu	20		1135312	47232	5428 S	9.0	0.1	0:22.14 record_
8019 zhengtu	20	0	1135312	47408	5492 S	11.0	0.1	0:22.47 record

删除一些数据数量多的数据

环境: arm3 使用bag: data/bag/howo38_2022_04_22_08_50_11_13.msg

删除的数据类型:所有次数大于1000的数据

CHASSIS, CHASSIS_DETAIL, CONTROL_COMMAND, CONTROL_DEBUG, CONTROL_STATUS, GNSS_INS, MESSAGE_SERVICE_STATUS, TRAILER_DETECTION,PROCESS_STATUS, MONITOR_RESULT,COMMUNICATION_DETECT_RESULT,RAW_IMU

```
CHASSIS: 5130msgs, 0.967MB
CHASSIS_DETAIL: 5107msgs, 2.29MB
CONTROL_COMMAND: 1840msgs, 0.154MB
CONTROL_DEBUG: 2528msgs, 4.01MB
LOCALIZATION: 5718msgs, 1.06MB
MONITOR: 98msgs, 0.012MB
FUSION_MAP: 516msgs, 21.6MB
PLANNING_TRAJECTORY: 515msgs, 57MB
CONTROL_STATUS: 2560msgs, 0.329MB
SYSTEM_STATUS: 60msgs, 0.0741MB
RAW_IMU: 5809msgs, 0.609MB
EPOCH_OBSERVATION: 60msgs, 0.115MB
GNSS_BEST_POSE: 300msgs, 0.028MB
GNSS_RAW_DATA: 5msqs, 0.00567MB
GNSS_INS: 5674msgs, 1.43MB
VISION_LANE: 600msgs, 48.8MB
LIDAR_OBSTACLES: 518msgs, 1.55MB
COMPRESSED_CAMERA_HEAD_LEFT_PROTO: 600msgs, 355MB
COMPRESSED_CAMERA_HEAD_RIGHT_PROTO: 600msgs, 369MB
LIDAR_PACKET_MAIN: 537msgs, 194MB
LIDAR_PACKET_HEAD_MID: 538msgs, 195MB
MESSAGE_SERVICE_STATUS: 1080msgs, 2.51MB
TRAILER_DETECTION: 3660msgs, 0.712MB
MODULE_STATUS: 801msgs, 0.0637MB
LIDAR_PACKET_HEAD_RIGHT: 538msqs, 195MB
LIDAR_PACKET_TAIL_MID: 538msgs, 97.3MB
REMOTE_CONTROL: 55msgs, 0.00551MB
TASK_STATE: 516msgs, 0.0231MB
CRANE_DETECTION: 540msgs, 1.67MB
LIDAR_PACKET_TOP_MID: 537msgs, 97.1MB
REMOTE_ENVIRONMENT: 582msgs, 3.52MB
CLIMATE: 1msgs, 3.15e-05MB
RELAY_COMMAND: 1msgs, 4.48e-05MB
```

结果

9084 zhengtu 20 0 1536984 28448 5456 S 18.8 0.1 0:00.80	.> % ton	Laren	record	d h	าลต							
9084 zhengtu 20 0 1532832 24012 5456 S 22.6 0.1 0.01.48						22848	5456	S	18 8	0 1	0.00 80	
9084 zhengtu 20 0 1534880 26008 5456 S 20.9 0.1 0:02.11												
9084 zhengtu 20 0 1534880 26676 5456 S 20.6 0.1 0:02.73												
9084 zhengtu 20 0 1535904 27344 5456 S 19.6 0.1 0:03.32 2834												
9084 zhengtu 20 0 1537952 29536 5456 S 20.3 0.1 0:03.93 ***********************************												
9084 zhengtu 20 0 1537952 29536 5456 S 20.9 0.1 0:04.53 2261 202 9084 zhengtu 20 0 1540000 31716 5456 S 20.9 0.1 0:05.16 2261 202 202 202 202 202 202 202 202 202 20												
9084 zhengtu 20 0 1538976 30888 5456 S 20.9 0.1 0:05.16												
9084 zhengtu 20 0 1540000 31716 5456 S 20.3 0.1 0:05.77												
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9084 zhengtu 20 0 1585056 76928 5456 S 19.9 0.2 0:22.09 record_bag												
9084 zhengtu 20 0 1585056 76932 5456 S 21.6 0.2 0:22.74 record_bag												
	9084 zh	engtu	20 (0 1	1585056	76932	5456	S	21.6	0.2	0:22.74	

提交的配置

环境: arm3 使用bag: data/bag/howo38_2022_04_22_08_50_11_13.msg (此bag没有TAKE_OVER_DRIVING_RECORD消息,其他的都有)

保存的数据类型:第二行为2的基础上新增的数据类型

REMOTE_CONTROL, DRIVING_RECORD, TAKE_OVER_DRIVING_RECORD, PLANNING_INFO, LOCALIZATION, MONITOR, EVENT_INFO,

TRAILER_DETECTION, FUSION_MAP, REMOTE_ENVIRONMENT, TOS_COMMAND

结果

18%-20%

									, · · · · · , · · · - · · · · · · · · · · · ·
20800	zhengtu	20	6	1424208	74100	5464 S	18.9	0.2	0:30.93 record bag
	zhengtu	20		1424208	74100	5464 S	19.6	0.2	0:31.52 record bag
	zhengtu	20		1424208	74104	5464 S	20.3	0.2	0:32.13 record bag
	zhengtu	20		1424208	74100	5464 S	18.4	0.2	0:32.34 record bag
	zhengtu	20		1424208	74112	5464 S	0.0	0.2	0:32.34 record_bag
	zhengtu	20		1424208	74112	5464 S	18.9	0.2	0:32.91 record bag
	zhengtu	20		1424208	74112	5464 S	18.6	0.2	0:33.25 record bag
	zhengtu	20		1424208	74112	5464 S	18.7	0.2	0:33.81 record bag
	zhengtu	20		1424208	74112	5464 S	17.9	0.2	0:34.35 record bag
	zhengtu	20		1424208	74112	5464 S	18.3	0.2	0:34.90 record bag
	zhengtu	20		1424208	74112	5464 S	18.6	0.2	0:35.46 record bag
		20		1424208	74132	5464 S	17.9	0.2	0:36.00 record bag
	zhengtu zhengtu	20		1424208	74144	5464 S	19.3	0.2	0:36.58 record bag
		20		1424208	74152	5464 S	18.3		0:37.13 record bag
	zhengtu	20		1424208	74152	5464 S	19.3	0.2 0.2	0:37.13 record bag
	zhengtu								
	zhengtu	20		1424208	74152 74152	5464 S 5464 S	18.6	0.2	0:38.27 record_bag
	zhengtu	20		1424208			16.9	0.2	0:38.78 record_bag
	zhengtu	20		1424208	74152		8.7	0.2	0:39.04 record_bag
	zhengtu	20		1424208	74152		12.6	0.2	0:39.42 record bag
	zhengtu	20		1424208	74176	5464 S	19.9	0.2	0:40.02 record bag
	zhengtu	20		1424208	74176	5464 S	18.9	0.2	0:40.59 record_bag
	zhengtu	20		1424208	74176	5464 S	18.7	0.2	0:41.15 record_bag
	zhengtu	20	0	1424208	74176	5464 S	19.3	0.2	0:41.73 record_bag
	zhengtu	20		1424208	74180	5464 S	18.9	0.2	0:42.30 record hap
	zhengtu	20		1424208	74180	5464 S	19.9	0.2	0:42.90 record bag
	zhengtu	20		1424208	74180	5464 S	18.6	0.2	0:43.46 record_bag
	zhengtu	20		1424208	74180	5464 S	18.3	0.2	0:44.01 record bag
	zhengtu	20		1424208	74180	5464 S	18.9	0.2	0:44.58 record_bag
	zhengtu	20		1424208	74180	5464 S	18.3	0.2	0:45.13 record bag
	zhengtu	20		1424208	74180	5464 S	17.9	0.2	0:45.67 record_bag
	zhengtu	20		1424208	74180	5464 S	19.0	0.2	0:46.24 record_bag
	zhengtu	20		1424208	74180	5464 S	18.9	0.2	0:46.81 record_bag
	zhengtu	20		1424208	74188	5464 S	18.6	0.2	0:47.37 record_bag
	zhengtu	20		1424208	74188	5464 S	18.9	0.2	0:47.94 record_bag
	zhengtu	20		1424208	74188	5464 S	19.3	0.2	0:48.52 record_bag
	zhengtu	20		1424208	74260	5464 S	18.3	0.2	0:49.07 record_bag
	zhengtu	20		1424208	74280	5464 S 5464 S	15.6	0.2	0:49.54 record_bag
	zhengtu	20		1424208	74280	5464 S 5464 S	8.3	0.2	0:49.79 record_bag
	zhengtu	20 20		1424208 1424208	74280	5464 S	13.0 19.3	0.2	0:50.18 record_bag
	zhengtu				74284			0.2	0:50.76 record_bag
	zhengtu	20		1424208	74284	5464 S 5464 S	18.3	0.2	0:51.31 record_bag
	zhengtu	20		1424208	74296		18.6	0.2	0:51.87 record_bag
	zhengtu	20		1424208	74300	5464 S 5464 S	18.6	0.2	0:52.43 record_bag
	zhengtu	20		1424208	74340		19.3	0.2	0:53.01 record_bag
	zhengtu	20	0	1424208	74340	5464 S 5464 S	18.9	0.2	0:53.58 record_bag
	zhengtu	20		1424208	74340		18.7	0.2	0:54.14 record_bag
	zhengtu	20		1424208	74340	5464 S	18.3	0.2	0:54.69 record_bag
	zhengtu	20		1424208	74340	5464 S	18.6	0.2	0:55.25 record_bag
30090	zhengtu	20	U	1424208	74340	5464 S	18.9	0.2	0:55.82 record_bag