

Here we create several processes and change their `wcounts` by accessing memory. Figure 1 and Figure 2 show the test result.

From Figure 1 we can see that all of the five processes change their scheduling policy to RAS successfully.

From Figure 2 we can see that the page access tracing mechanism works well in multiprocesses. Besides, processes can enqueue, requeue and use their timeslice successfully with RAS. We can also see that with different `wcounts`, the tasks will get different timeslices.

```
root@generic:/data/misc # ./multiprocess
Please input the number of process: 5
Parent process pid: 1142
create child 1 ,pid: 1143
create child 2 ,pid: 1144
create child 3 ,pid: 1145
create child 4 ,pid: 1146
create child 5 ,pid: 1147
pid:1143, pre scheduler : SCHED_NORMAL
pid:1143, cur scheduler : SCHED_RAS
pid:1147, pre scheduler : SCHED_NORMAL
pid:1147, cur scheduler : SCHED_RAS
pid:1146, pre scheduler : SCHED_NORMAL
pid:1145, pre scheduler : SCHED_NORMAL
pid:1145, cur scheduler : SCHED_RAS
pid:1144, pre scheduler : SCHED_NORMAL
pid:1144, cur scheduler : SCHED_RAS
pid:1146, cur scheduler : SCHED_RAS
```

Figure 1: multiprocess: adb shell result

```

start_trace:: pid: 1143
enqueue_task_ras:: pid: 1143,wcounts: 50,total_wcounts: 50,time_slice: 1,nr: 1
start_trace:: pid: 1144
start_trace:: pid: 1147
enqueue_task_ras:: pid: 1147,wcounts: 58,total_wcounts: 108,time_slice: 5,nr: 2
start_trace:: pid: 1146
start_trace:: pid: 1145
task_tick_ras:: pid: 1143,wcounts: 125,total_wcounts: 108,time_slice: 1,nr: 2
requeue_task_ras:: pid: 1143,wcounts: 125,total_wcounts: 183,time_slice: 4,nr: 2
enqueue_task_ras:: pid: 1146,wcounts: 41,total_wcounts: 224,time_slice: 9,nr: 3
enqueue_task_ras:: pid: 1145,wcounts: 26,total_wcounts: 250,time_slice: 9,nr: 4
task_tick_ras:: pid: 1145,wcounts: 100,total_wcounts: 250,time_slice: 9,nr: 4
enqueue_task_ras:: pid: 1144,wcounts: 84,total_wcounts: 334,time_slice: 8,nr: 5
task_tick_ras:: pid: 1147,wcounts: 180,total_wcounts: 334,time_slice: 5,nr: 5
task_tick_ras:: pid: 1147,wcounts: 326,total_wcounts: 334,time_slice: 4,nr: 5
task_tick_ras:: pid: 1147,wcounts: 478,total_wcounts: 334,time_slice: 3,nr: 5
task_tick_ras:: pid: 1147,wcounts: 632,total_wcounts: 334,time_slice: 2,nr: 5
task_tick_ras:: pid: 1147,wcounts: 783,total_wcounts: 334,time_slice: 1,nr: 5
requeue_task_ras:: pid: 1147,wcounts: 783,total_wcounts: 1059,time_slice: 3,nr: 5
task_tick_ras:: pid: 1143,wcounts: 270,total_wcounts: 1059,time_slice: 4,nr: 5
task_tick_ras:: pid: 1143,wcounts: 423,total_wcounts: 1059,time_slice: 3,nr: 5
task_tick_ras:: pid: 1143,wcounts: 579,total_wcounts: 1059,time_slice: 2,nr: 5
task_tick_ras:: pid: 1143,wcounts: 727,total_wcounts: 1059,time_slice: 1,nr: 5

```

Figure 2: multiprocessing: kernel result