```
time
                                          time
                                                              time
                                        advances
                                                             advances
                      advances
                                   time
            time
                                                  time
                                  paused
            paused
                                                 paused
                                                 = p is not active
                    = p is active
int gettime() {
                                    void stoptime() {
                                                                void starttime() {
  int p = get cid();
                                      int p = get cid();
                                                                   cur = rd tsc();
  int t = rd tsc();
                                      int t = rd tsc();
  return (sum_p + (t - cur));
                                      sum_n += t - cur;
```