10: 输入线程

```
amespace 俄罗斯方块
  class GameScene : ISceneUpdate
      Map map;
      BlockWorker woker;
      Thread inputThread;
      public GameScene()
          map = new Map();
          woker = new BlockWorker();
         inputThread = new Thread(CheckInputThread);
//设置后台线程,声明周期随主程序决定
          inputThread. IsBackground = true;
          inputThread.Start();
      public void CheckInputThread()
          while (true)
              if (Console. KeyAvailable)
                  lock (woker) 添加锁,否则屏幕上的放行会乱跳现象,多线程占用资源导致
                      switch (Console. ReadKey(true). Key)
                         case ConsoleKey. A:
                              if (woker.CanChange(E_ChangeType.Left, map))
                                 woker. Change(E_ChangeType. Left);
                         case ConsoleKey. D:
                             if (woker.CanChange(E_ChangeType.Right, map))
                                 woker. Change(E_ChangeType. Right);
                         case ConsoleKey.RightArrow:// ->
                             if (woker. CanMoveLR(E_ChangeType. Right, map))
                                 woker.MoveLR(E_ChangeType.Right);
                             break:
                         case ConsoleKey.LeftArrow://<-
                             if (woker.CanMoveLR(E_ChangeType.Left, map))
                                 woker. MoveLR(E_ChangeType. Left);
                         case ConsoleKey. DownArrow://向下移动
                             if (woker. CanMove(map))
                                                                 增加主动向下的按钮,加速下落
                                 woker. AutoMove();
                             break;
```

修正前面的绘制方法在向下移动没有绘制,导致控制台是没有绘制向下移 动的方形

```
2 个引用
public void AutoMove()
{
    //只要有移动,就需要先擦除

    ClearDraw();

    //首要得到移动的距离
    Position pos = new Position(0, 1);
    //得到所有方块,让其向下移动
    for (int i = 0; i < blocks.Count; i++)
    {
        blocks[i].pos += pos;
        //也可以直接y轴+1:
        //blocks[i].pos.y += 1;
    }

    Draw();
}
```