```
char    rs, sp;
char inbuf[80], outbuf[125] ;
void read()
{
   while (true) {
      READCARD (inbuf);
      for (int i=0; i < 80; i++){
           rs = inbuf [i];
           RESUME squash
      }
      rs = " ";
      RESUME squash;
   }
}
void print()
{
   while (true) {
      for (int j = 0; j < 125; j++){
           outbuf [j] = sp;
           RESUME squash
      }
      OUTPUT (outbuf);
   }
}
```

```
void squash()
{
   while (true) {
      if (rs != "*") {
           sp = rs;
           RESUME print;
      }
      else{
         RESUME read;
         if (rs == "*") {
              sp = "↑";
              RESUME print;
         }
         else {
            sp = "*";
            RESUME print;
            sp = rs;
            RESUME print;
         }
      }
      RESUME read;
   }
}
```

Figure 5.28 An Application of Coroutines