begin model initialization function //初始化函数，设置进货量，成本，售价，折旧价格等

set V\_buy=90

set V\_cost=6

set V\_price=11.99

set V\_salvage=3

open "CSresult.txt" for writing save result as V\_CSoutputfile

return true

end

/\*产生进货，此进程中的load为L\_dailydrive\*/

begin P\_buy arriving

create V\_buy loads of loadtype L\_newspaper to P\_store //产生V\_buy个load到仓库储存

send to P\_demgen

end

/\*此进程中的load为L\_ newspaper \*/

begin P\_store arriving

move into Q\_bag

wait to be ordered on OL\_bag

end

/\*产生需求，此进程中的load为L\_dailydrive\*/

begin P\_demgen arriving

set V\_dem = normal 70,10

wait for 11 hr

send to P\_sale

end

/\*售货，此进程中的load为L\_dailydrive\*/

begin P\_sale arriving

if V\_buy >= V\_dem then //进货大于需求，足够

begin

order V\_dem loads from OL\_bag to P\_out //调用V\_dem个load到P\_out出库

set V\_profit=V\_dem\*V\_price-V\_buy\*V\_cost+(V\_buy-V\_dem)\*V\_salvage //计算利润

set V\_left=V\_buy-V\_dem //计算剩余量

order V\_left loads from OL\_bag to P\_return //将剩余loa送至P\_return

print V\_profit to V\_CSoutputfile //打印利润到文件

end

if V\_buy < V\_dem then /进货小于需求，缺货

begin

order V\_buy loads from OL\_bag to P\_out //调用V\_buy个load到P\_out出库

set V\_profit=V\_buy\*V\_price-V\_buy\*V\_cost //计算利润

set V\_oos=V\_dem-V\_buy //计算缺货量

print V\_profit to V\_CSoutputfile //打印利润到文件

end

end

/\*出库，此进程中的load为L\_ newspaper \*/

begin P\_out arriving

move into Q\_customer

wait for 4 hr

send to die

end

/\*折旧，此进程中的load为L\_ newspaper \*/

begin P\_return arriving

move into Q\_return

wait for 4 hr

send to die

end