**begin**

// learn the points of the pallet in the pallet frame

setFrame(p0,px,py,fPallet)

**for** nI=0 **to** 4 **step** 1

**for** nJ=0 **to** 3 **step** 1

pPallet[nI+nJ\*5]=compose(pPick,fPallet,{50\*nI,50\*nJ,0,0,0,0})

**endFor**

**endFor**

// learn the points where to put the parts

**for** nI=0 **to** 4 **step** 1

**for** nJ=0 **to** 3 **step** 1

pPut[nI+nJ\*5]=compose(pPut0,fPallet,{0,0,40\*nI+40\*5\*nJ,0,0,0})

**endFor**

**endFor**

// move to the start position

userPage(**false**)

cls()

put("Input the cycle number:")

get(nCycle)

nResult=get(nCycle)

wait(nResult==270)

movej(jStart,tTool,mNomSpeed)

wait(diStart==**true**)

**taskCreate** "listen",10,keyListener()

**while** nCycle>0

nCycle=nCycle-1

**for** nI=0 **to** 11 **step** 1

**call** pickNplace(nI)

**endFor**

**for** nI=11 **to** 0 **step** -1

**call** pickNplaceBack(nI)

**endFor**

delay(0)

**endWhile**

movej(jStart,tTool,mNomSpeed)

waitEndMove()

**end**