

2. # define N

semaphore mutex=1, impressao=0, leitura=N

int cont=0

Leitor() {

while (1) {

down (leitura)

down (mutex)

ler-caractere-e-armazenar()

cont++

if (cont == N)

up (impressao)

up (mutex)

}

}

Impressor() {

while (1) {

down (impressao)

down (mutex)

for (int i=0; i<N; i++) {

imprimir-caractere()

up (leitura)

}

cont=0

up (mutex)

}

}