

1se Solution

Reader()

{

P(mutex);

$R_1 \leftarrow R_1 + 1$;

if ($R_1 == 1$) P(writeBlock);

V(mutex);

read data;

P(mutex);

$R_1 \leftarrow R_1 - 1$;

if ($R_1 == 0$) V(writeBlock);

V(mutex);

}

Writer()

{

P(writeBlock);

write data;

V(writeBlock);

}