

```

mutualexclusion m=1,w=1;
left()
{
    cl=0;
    P(m);
    cl=cl+1;
    if cl=1 then P(w);
    V(m);
    cross the bridge;
    cl=cl-1;
    if cl=0 then V(w);
}

right()
{
    cr=0;
    P(m);
    cr=cr+1;
    if cr=1 then P(w);
    V(m);
    cross the bridge;
    cr=cr-1;
    if cr=0 then V(w);
}

```