

```

var
  Writing:Boolean=False;

{Weak Reader Preference (Really!!)}

procedure entry StartRead;
begin
  if Writing then
    NoWriters.Wait
  NumReaders+=1;
end;

procedure entry StartWrite;
begin
  Inc(TotalWriters);
  if (TotalWriters>1) or
    (NumReaders>0) then
    NoWriters.Wait;

  Writing:=True;
end;

procedure entry FinishRead;
begin
  Dec(NumReaders);
  if NumReaders=0 then
    NoWriters.Signal;
end;

procedure entry FinishWrite;
begin
  Dec(TotalWriters);

  NoWriters.Signal;

  Writing:=False;
end;

```