

```

program 8Aa;
var    S123, S456, S567: SEMAFORO;
       S24, S36: SEMAFORO_B;
begin
  INIT_SEM( S123, 0 );
  INIT_SEM( S456, 0 );
  INIT_SEM( S567, 0 );
  INIT_SEM( S24, 0 );
  INIT_SEM( S36, 0 );
  Parbegin
    Begin
      S1;
      Parbegin
        Signal( S123 ); Signal( S123 );
      Parent
    End
    Begin
      Wait( S123 ); S2; Signal( S24 );
    End
    Begin
      Wait( S123 ); S3; Signal( S36 );
    End
    Begin
      Wait( S24 ); S4;
      Parbegin
        Signal( S456 ); Signal( S456 );
      Parent
    End
    Begin
      Wait( S456 ); S5; Signal( S567 );
    End
    Begin
      Parbegin
        Wait( S456 ); Wait( S36 );
      Parent
      S6; Signal( S567 );
    End
    Begin
      Parbegin
        Wait( S456 ); Wait( S456 );
      Parent
      S7;
    End
  Parent
end.

```