State diagram showing transitions between states S (Shared), M (Modified), and I (Invalid).

- Read hit / Bus read (S self-loop)
- Write hit / Read hit (M self-loop)
- Write hit (S → M)
- Bus read (M → S)
- Bus write (S → I)
- Read miss (I → S)
- Write miss (I → M)
- Bus write (M → I)