

```
if (MEM/WB.RegWrite  
and (MEM/WB.RegisterRd ≠ 0)  
and not(EX/MEM.RegWrite and (EX/MEM.RegisterRd ≠ 0)  
    and (EX/MEM.RegisterRd ≠ ID/EX.RegisterRs))  
and (MEM/WB.RegisterRd = ID/EX.RegisterRs)) ForwardA = 01
```

```
if (MEM/WB.RegWrite  
and (MEM/WB.RegisterRd ≠ 0)  
and not(EX/MEM.RegWrite and (EX/MEM.RegisterRd ≠ 0)  
    and (EX/MEM.RegisterRd ≠ ID/EX.RegisterRt))  
and (MEM/WB.RegisterRd = ID/EX.RegisterRt)) ForwardB = 01
```

Unn Fig. 4-4.