1-Way ARW Simulation		2-Way ARW Simulation

Two Consecutive ARW simulations (using ndown)

1) Run coarse grid (CG) simulation

2) Process CG for initial condition (IC) for fine grid (FG)

3) Process CG for lateral boundary condition (LBC) for FG

4) Run FG simulation

Concurrent ARW simulation with two domains

1) Both CG and FG simulations run within the same WRF

2) FG LBC from CG at each coarse time step

3) CG integrates one time step, then the FG integrates up to the same time

Concurrent ARW simulation with two domains

Both CG and FG simulations run within the same WRF

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4) Feedback FG to CG