$$oldsymbol{u} = oldsymbol{u} - \Delta t \operatorname{diag} \left\{ rac{1}{
ho} 
ight\}_x oldsymbol{G}_x oldsymbol{p}; \quad oldsymbol{v} = oldsymbol{v} - \Delta t \operatorname{diag} \left\{ rac{1}{
ho} 
ight\}_y oldsymbol{G}_y oldsymbol{p}; \quad oldsymbol{w} = oldsymbol{w} - \Delta t \operatorname{diag} \left\{ rac{1}{
ho} 
ight\}_z oldsymbol{G}_z oldsymbol{p}$$