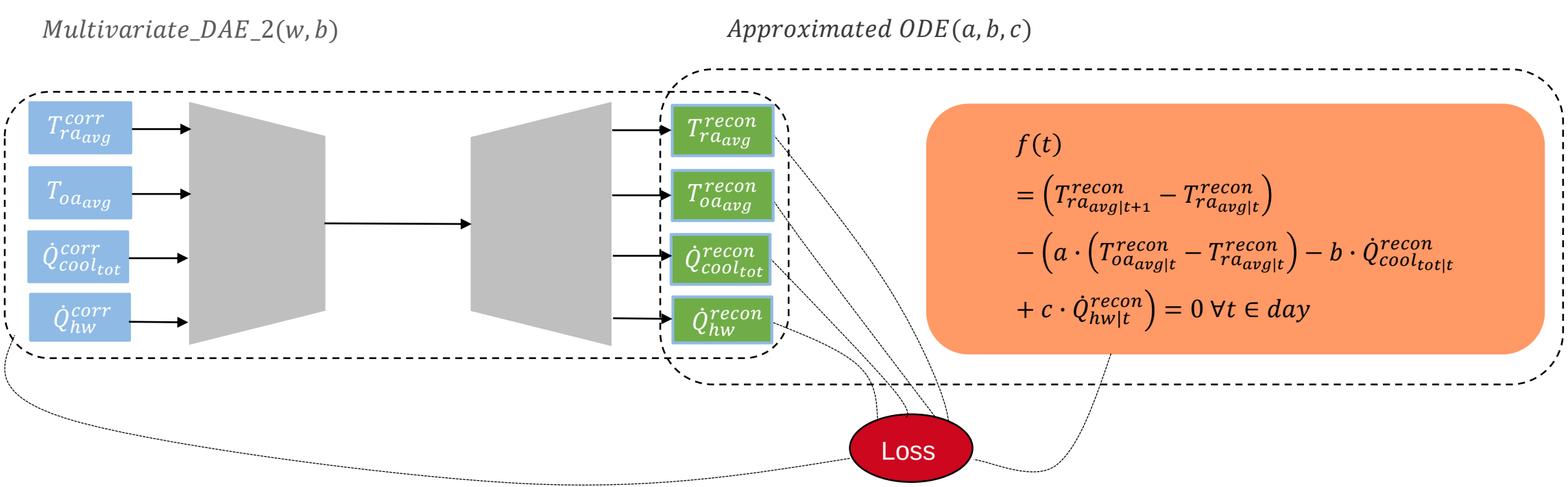
Multivariate_DAE_2(w, b)
Approximated ODE(a, b, c)
$T^{corr}_{ra_{avg}}$
$T_{oa_{avg}}$
$\dot{Q}^{corr}_{cool_{tot}}$
$\dot{Q}^{corr}_{hw}$
$T^{recon}_{ra_{avg}}$
$T^{recon}_{oa_{avg}}$
$\dot{Q}^{recon}_{cool_{tot}}$
$\dot{Q}^{recon}_{hw}$
$f(t) = \left(T^{recon}_{ra_{avg|t+1}} - T^{recon}_{ra_{avg|t}}\right) - \left(a \cdot \left(T^{recon}_{oa_{avg|t}} - T^{recon}_{ra_{avg|t}}\right) - b \cdot \dot{Q}^{recon}_{cool_{tot|t}} + c \cdot \dot{Q}^{recon}_{hw|t}\right) = 0 \; \forall t \in day$
Loss