

```
u = TimeFunction(name='u', grid=grid)

# Derive stencil from symbolic equation
eq = Eq(u.dt + c*u.dxl + c*u.dyl)
stencil = solve(eq, u.forward)

# Apply boundary conditions
u.data[:, 0, :] = 1.
u.data[:, -1, :] = 1.
u.data[:, :, 0] = 1.
u.data[:, :, -1] = 1.

# Create an Operator that updates the forward stencil
# point in the interior subdomain only.
op = Operator(Eq(u.forward, stencil,
                 subdomain=grid.interior))
```