

```

variables = Association["indVars" -> {n, t},
    "depVars" -> {u}, "pars" -> {a}, "elimOrder" -> "implicit",
    "scheme" -> {u[n, t + 1] - u[n, t] - u[n, t + 1] * (a * (u[n + 1, t + 1] - u[n, t + 1]) + (1 - a) * (u[n, t + 1] - u[n - 1, t + 1]))}]

DiscreteConservedQOperator[variables][u[n, t]]

```