```
variables = Association[
"indVars" \rightarrow {n},
"depVars" -> {v, m},
"rhs" -> {
    v[n] - (v[n + 1]^2/2 - m[n + 1]^2/2) + (v[n]^2/2 -
    m[n]^{2}/2,
    m[n] + (m[n + 1] * v[n + 1]) - (m[n] * v[n])
DiscreteConservedOOperator[variables][{v[n], m[n]}]
```