```
variables = Association[
        "indVars" -> {n, t},
        "depVars" -> {v, m},
        "VarDOperator"->PartialDVarDOperator,
        "timeVars"->{t},
        "eqRhs" -> {
            (v[n + 1, t]^2/2 - m[n + 1, t]^2/2) - (v[n, t]^2/2 -
            m[n, t]^2/2),
            (m[n + 1, t]*v[n + 1, t]) - (m[n, t]*v[n, t])}
        ];

  FindConservedQuantityBasisOperator[variables][Association["degree"->4,"generators"->
  {v[n,t],m[n,t]}]]]
```