Theano LEVEL 8

- 1. Conditions
- 2. If Else vs Switch
- 3. Loop
- 4. Scan
- 5. Scan Example: Computing the sequence x(t) = tanh(x(t-1).dot(W) + y(t).dot(U) + p(T-t).dot(V))
- 6. Scan Example: Computing norms of lines of X
- 7. Scan Example: Computing norms of columns of X
- 8. Scan Example: Computing trace of X
- 9. Scan Example: Computing the sequence x(t) = x(t 2).dot(U) + x(t 1).dot(V) + tanh(x(t 1).dot(W) + b)
- 10. Scan Example: Computing the Jacobian of y = tanh(v.dot(A)) wrt x
- 11. Scan Example: Accumulate number of loop during a scan
- 12. Scan Example: Computing tanh(v.dot(W) + b) * d where d is binomial
- 13. Scan Example: Computing pow(A, k)