

The diagram illustrates a branched DNA structure. The nodes are labeled with nucleotide bases: Adenine (A), Thymine (T), Cytosine (C), and Guanine (G). The bases are color-coded: A is orange, T is red, C is orange, and G is orange. The structure consists of a main chain with a branch and a loop. The main chain starts from the bottom with a Thymine (T) node, followed by an Adenine (A) node, a Guanine (G) node, a Cytosine (C) node, a Thymine (T) node, and an Adenine (A) node. A branch starts from the Thymine (T) node and goes to the left, consisting of a Thymine (T) node and an Adenine (A) node. A loop is formed by the main chain nodes from the Guanine (G) node to the Adenine (A) node, with a Thymine (T) node and a Cytosine (C) node in between. The connections between the Guanine (G) node and the Adenine (A) node, the Cytosine (C) node and the Thymine (T) node, and the Thymine (T) node and the Adenine (A) node are highlighted in bold.

**ENERGY = -2.5    02/20/26 14:37:39**