```
DNAComponent => ComponentDefinition
                                                         =>
    type = <SBOL:DNA>
                                                        Creates a template of a
DNASequence(x) => Sequence
                                                        ComponentDefinition
    encoding = <SBOL:IUPACDNA>
                                                        called "DNAComponent"
    elements = x
                                                        with type "<SBOL:DNA>"
                                                                                                <?xml version="1.0" ?>
                                                                                                <rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-
CDS => DnaComponent
                                                                                                syntax- ns#" xmlns:dcterms="http://purl.org/dc/terms/"
    role = <SBOL:CDS>
                                                                                                xmlns:prov="http://www.w3.org/ns/prov#"
                                                                                                xmlns:sbol=http://sbols.org/v2#>
                                                                                                <sbol:ComponentDefinition rdf:about=http://</pre>
                         Imports
                                                                                                partsregistry.org/cd/lacl cds>
                                                        Creates a instance of a
                                                                                                <sbol:persistentIdentity rdf:resource="http://</pre>
                                                        ComponentDefinition
                                                        from the "CDS" template
                                                                                                partsregistry.org/cd/lacl cds"/>
                                                        called "lacl cds"
                                                                                                <sbol:displayId>lacl cds</sbol:displayId>
lacl_seq : DNASequence("atggtgaatgt")
                                                                                                <dcterms:title>lacI</dcterms:title>
                                                                                                <dcterms:description>The lacI CDS</dcterms:description>
lacl cds : CDS
                                                                                                <sbol:type rdf:resource="http://www.biopax.org/release/
    description = "The lacI CDS"
                                                                                                biopax-level3.owl#DnaRegion"/>
    name = "lacI"
                                                        Sets the sequence
    sequence = lacl seq
                                                                                                <sbol:role rdf:resource=http://identifiers.org/so/SO:</pre>
                                                        property equal to the
                                                                                                0000316/>
                                                        "lacl seg" Sequence
                                                                                                <sbol:sequence rdf:resource="http://partsregistry.org/seq/
                                                         instance.
                                                                                                lacl seq"/>
                                                                                                </sbol:ComponentDefinition>
                         Becomes
                                                                                                <sbol:Sequence rdf:about="http://partsregistry.org/seq/
                                                                                                lacl seg">
                                                                                                <sbol:persistentIdentity rdf:resource="http://</pre>
                                                        The value of the property
                                                        "displayId" is inherited
                                                                                                partsregistry.org/seq/lacl Seq"/>
lacl seq : Sequence
                                                        from the name of the
                                                                                                <sbol:displayId>lacl seq</sbol:displayId>
     encoding = <SBOL:IUPACDNA>
                                                        instantiation.
                                                                                                <sbol:elements>atggtgaatgt</sbol:elements>
     displayId = "lacl seq"
                                                                                                <sbol:encoding rdf:resource="http://www.chem.gmul.ac.uk/
     elements = "atggtgaatgt"
                                                                                                iubmb/misc/naseg.html"/>
lacl cds : ComponentDefinition
                                                                                                </sbol:Sequence>
     role = <SBOL:CDS>
                                                                                                </rdf:RDF>
                                                        The "role" and "type"
     type = <SBOL:DNA>
                                                        properties are populated
     displayId = "lacl cds"
                                                        from the nested
     description = "The lacI CDS"
                                                        templates:
     name = "lacI"
     sequence = lacl seq
                                                         < CDS < DNAComponent
```