**PROJECT TITLE**

**AUTHOR NAMES**

**INSTITUTION**

**EMAIL**

**SUBMISSION DATE**

**Abstract:**

This project evaluates the performance of four machine learning models—Linear Regression, Decision Tree, Random Forest and Extreme Gradient Boosting Machine (XGBM)—in predicting outcomes based on collected data. Data preprocessing included normalization, handling missing values, and feature engineering. The models were trained and tested on a 80-20 split, with performance measured using metrics like R² and RMSE. Results show that the Artificial Neural Network (ANN) outperformed the other models, achieving the highest accuracy and lowest error. The findings suggest ANN’s superior ability to capture complex, non-linear relationships in data, making it the most effective model.

1. **Introduction to the Four Models**

This project aims to predict temperatures at different elevations using a range of machine learning models and an Artificial Neural Network (ANN). The dataset comprises key features such as rainfall, air temperature in both Fahrenheit and Celsius, and the day of the year, along with temperature readings at two specific heights: 0.9 meters and 1.8 meters. The data preprocessing steps involve addressing missing values, eliminating outliers, and applying feature scaling to ensure accurate and reliable predictions.

The goal of these models was to predict the desired outcome by leveraging data collected across multiple sources, which were then pre-processed to enhance prediction accuracy. The performance of the models was compared based on key evaluation metrics, such as root mean square error (RMSE) and accuracy.

**Formula:** Each model minimizes the loss function L, where the loss function is different for each model. For instance, for linear regression:



1. **Data Collection and Preprocessing**

The **Data Collection and Preprocessing** stage plays a crucial role in the machine learning pipeline. The following steps outline the expanded processes involved:

**1. Data Collection**

* **Raw Data Sourcing**: Data is collected from multiple sources, including databases, external APIs, or user-generated data. The nature of the data depends on the specific model being used (e.g., customer churn data, sales data, or sensor data).
* **Data Aggregation**: Collected data is aggregated into a unified dataset, ensuring all relevant features are available for further analysis. In cases where data is stored in multiple formats or locations, it is combined into a single dataset.

**2. Data Cleaning**

* **Handling Missing Values**: Missing data points are either imputed using statistical methods (mean, median, mode) or removed if they represent a small portion of the data.
* **Outlier Detection**: Outliers that could distort model performance are detected and either removed or transformed.
* **Data Consistency Checks**: Ensuring the data has consistent formats, such as date formats, string encodings, and numerical consistency.

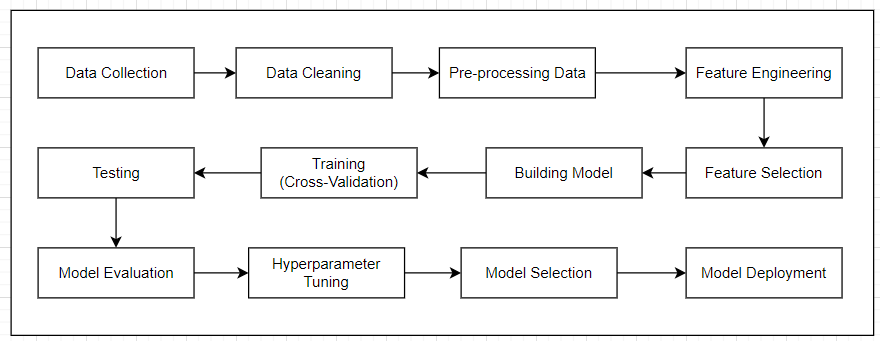
**3. Data Transformation**

* **Normalization and Scaling**: Features are normalized or scaled depending on the model’s requirement. For instance, SVM and ANN often perform better when features are scaled.
* **Feature Encoding**: Categorical data is encoded using one-hot encoding, label encoding, or ordinal encoding, depending on the feature and the model used.
* **Feature Engineering**: New features are created from the existing dataset to improve model performance. This could include interaction terms, polynomial features, or aggregated statistics.

**4. Data Splitting**

* **Train-Test Split**: The dataset is split into training (80%) and testing (20%) sets to ensure that the models are evaluated on unseen data.

**Flowchart**

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The flowchart reflects these processes:

* **Data Collection**: The process begins with gathering raw data from various sources, such as sensors, databases, or APIs.
* **Data Cleaning**: The collected data is cleaned to handle missing values, outliers, and inconsistencies, ensuring the dataset is reliable.
* **Preprocessing Data**: Data is normalized or scaled, and categorical variables are encoded to prepare it for modelling.
* **Feature Engineering**: New features are created or transformed from existing ones to enhance model performance.
* **Feature Selection**: Irrelevant or redundant features are removed to reduce dimensionality and improve efficiency.
* **Building Model:** A machine learning model is constructed based on the chosen algorithm.
* **Training (Cross-Validation):** The model is trained and cross-validated to optimize its performance on unseen data.
* **Testing**: The model is tested on a separate dataset to evaluate its performance.
* **Model Evaluation**: Performance metrics such as accuracy, R², or RMSE are calculated.
* **Hyperparameter Tuning**: The model’s parameters are fine-tuned for optimal performance.
* **Model Selection**: The best model is selected based on evaluation metrics.
* **Model Deployment**: The finalized model is deployed for real-world use.

1. **Feature Correlation and Data Analysis**

**1. Correlation Matrix**

The correlation matrix provides insights into the relationships between different features in the dataset. In the heatmap below, the correlation between Rainfall(inch), Air Temp C, Temperature (0.9m), Temperature (1.8m) and day\_of\_year is visualized.

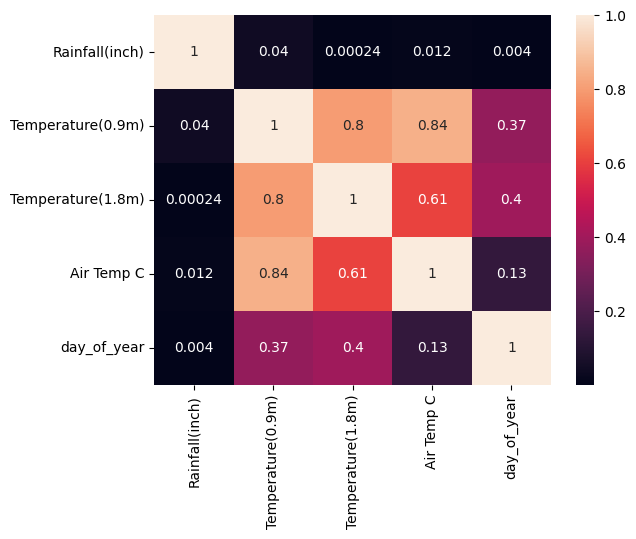


Fig: Correlation matrix

* **Air Temperature (Celsius)** is the most important feature, showing a strong relationship with both target variables, especially at 0.9m.
* **Day of the Year** moderately affects temperatures at both heights, which could reflect seasonal effects, although it’s not as influential as air temperature.
* **Rainfall** has almost no impact on temperature at either 0.9m or 1.8m, making it a less significant feature for predicting the target temperatures.

**2. Scatter Plot of Air Temp C vs Temperature (0.9m)**

The scatter plot of **Air Temp C** versus **Temperature (0.9m)** has a clear positive correlation between the two variables. As air temperature increases, the temperature at 0.9 meters also increases. This suggests that air temperature can be a strong predictor of temperature at 0.9 meters.

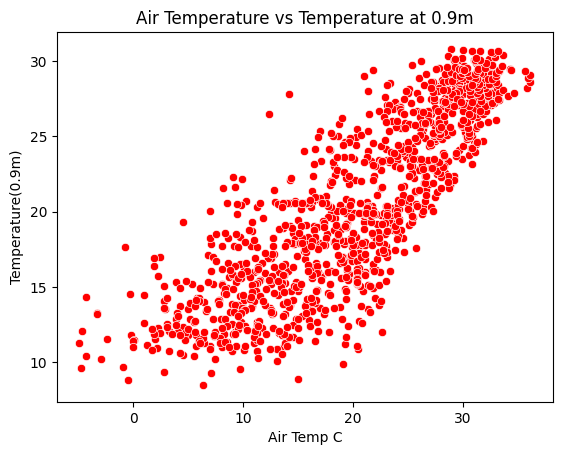


Fig: Scatter plot of Air Temp C vs Temperature (0.9m)

**2. Scatter Plot of Air Temp C vs Temperature (1.8m)**

The scatter plot of **Air Temp C** versus **Temperature (1.8m)** has a clear positive correlation between the two variables. As air temperature increases, the temperature at 1.8 meters also increases. This suggests that air temperature can be a strong predictor of temperature at 1.8 meters.

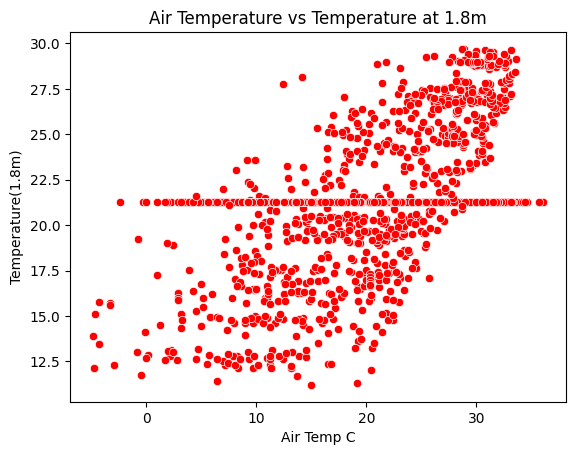


Fig: Scatter plot of Air Temp C vs Temperature (1.8m)

**3. Day Of year vs Temperature (0.9m)**

The scatter plot between **Day Of year** and **Temperature (0.9m)** illustrates a seasonal temperature variation at 0.9 meters, with temperatures starting low early in the year, gradually rising to a peak during mid-year (summer), and then decreasing towards the year's end. This pattern highlights typical annual warming and cooling cycles, indicating seasonal climate influences.

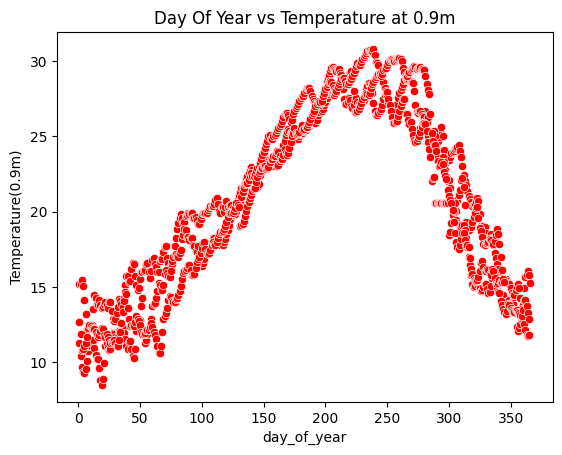


Fig: Scatter plot between Day\_of\_year and Temperature (0.9m)

**3. Day Of year vs Temperature (1.8m)**

The scatter plot between **Day Of year** and **Temperature (1.8m)** illustrates a seasonal temperature variation at 1.8 meters, with temperatures starting low early in the year, gradually rising to a peak during mid-year (summer), and then decreasing towards the year's end. This pattern highlights typical annual warming and cooling cycles, indicating seasonal climate influences.

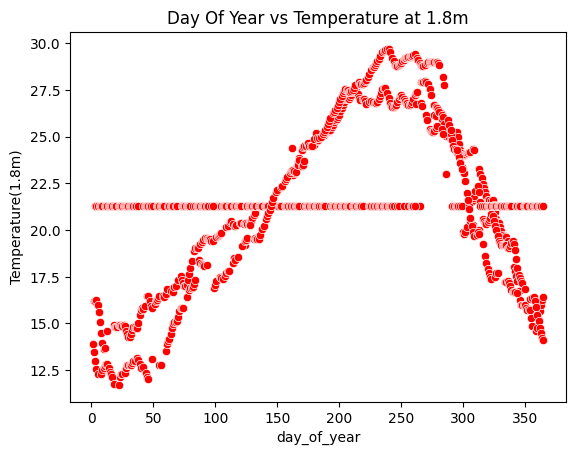


Fig: Scatter plot between Day\_of\_year and Temperature (1.8m)

**4. Scatter Plot of Rainfall(inch) vs Temperature (0.9m)**

The scatter plot of **Rainfall(inch)** versus **Temperature (0.9m)** shows a positive trend, where higher temperatures are associated with increased resistivity values. This observation is consistent with the moderate correlation of **0.41** between the two variables. The relationship between temperature and resistivity indicates that temperature is a factor that can affect resistivity, though not as strongly as moisture content.

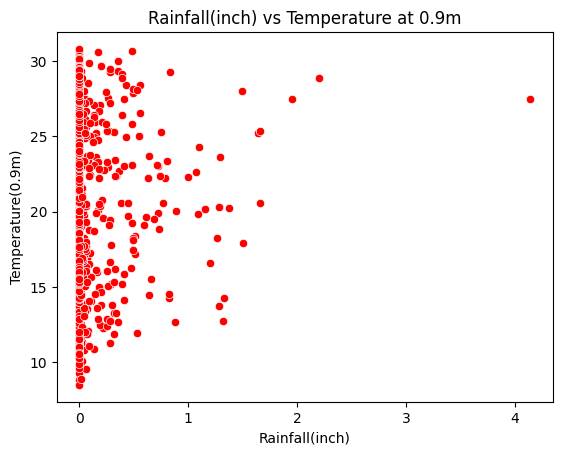


Fig: Scatter plot of Rainfall(inch) versus Temperature (0.9m)

1. **Model 1: Linear Regression and Implementation**

The linear regression model takes up a linear relationship between both the dependent and independent variables. It was implemented as the baseline model to compare the performance of more complex models. The linear regression model was optimized using ordinary least squares to minimize the residual sum of squares between the observed and predicted outcomes.

**Formula:** The model’s prediction follows:



Where:

* y is the target variable,
* *X* is the matrix of features,
* b represents the coefficients,
* ϵ is the error term.

**Architecture Diagram:**

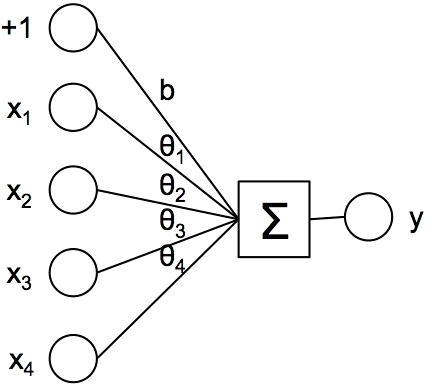


Fig: Architecture of Linear Regression 6

**Train-Test Split works for each model:**

* **Training**: 80% of the data is used to estimate the coefficients of the linear relationship.
* **Testing**: 20% of the data is used to evaluate the predictive accuracy using metrics like RMSE.

1. **Model 2: Decision Tree Implementation**

The decision tree model creates a tree-like structure where each node represents a decision rule, and branches represent possible outcomes. It splits the data into subsets based on the most significant feature at each node, aiming to reduce the variance in the outcome variable. The decision tree model was implemented using the Gini impurity metric.

**Formula:** Gini impurity 𝐺 for a node is given by:



Where pi ​ is the proportion of class i in the node.

**Architecture Diagram:**

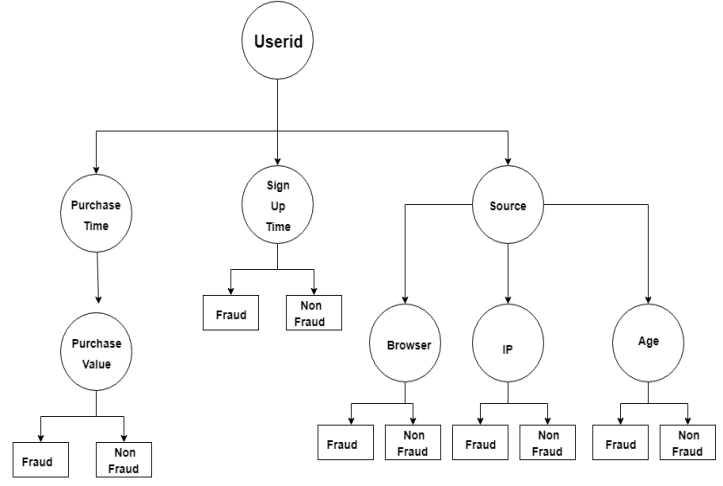


Fig: Architecture of Decision Trees 7

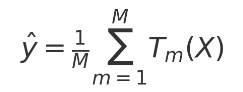
**Train-Test Split works for each model:**

* **Training**: The decision tree learns from 80% of the data, finding splits based on feature importance.
* **Testing**: The remaining 20% is used to test how well the decision tree generalizes to new, unseen data.

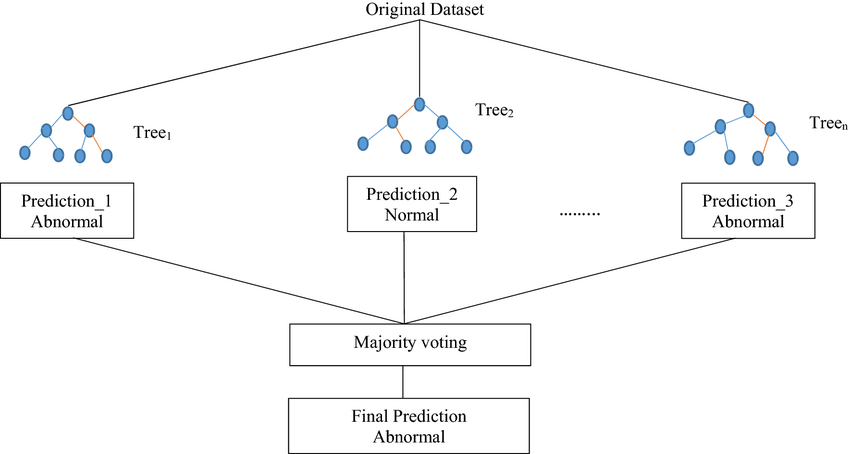
1. **Model 3: Random Forest**

The random forest model was built by averaging multiple decision trees, each trained on different subsets of the data, to reduce overfitting.

**Random Forest Formula:** The random forest prediction is the average of M decision trees:

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**Architecture Diagram:**



**Fig**: Architecture of Random Forest classifier 8

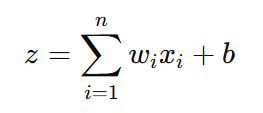
**Train-Test Split works for each model:**

* **Random Forest**:
* **Training**: 80% of the data is used to train an ensemble of decision trees, where each tree is trained on a random subset of data.
* **Testing**: The 20% test set is used to evaluate the ensemble's performance, typically by averaging the predictions from all trees.

**Model 5: Artificial Neural Network (ANN)**

The ANN model consists of interconnected neurons organized in layers—an input layer, hidden layers, and an output layer. Each neuron in a hidden layer applies a weighted sum of its inputs followed by an activation function. The network adjusts its weights and biases during training to minimize the error between predicted and actual outputs. ANNs are particularly effective for modelling complex, non-linear relationships in the data.

**Formula**:  
The output of a neuron in a hidden or output layer is calculated as:



Where:

* wi are the weights,
* xi​ are the inputs,
* b is the bias term.

The activation function (e.g., ReLU, Sigmoid) is then applied to z.

**Architecture Diagram**:

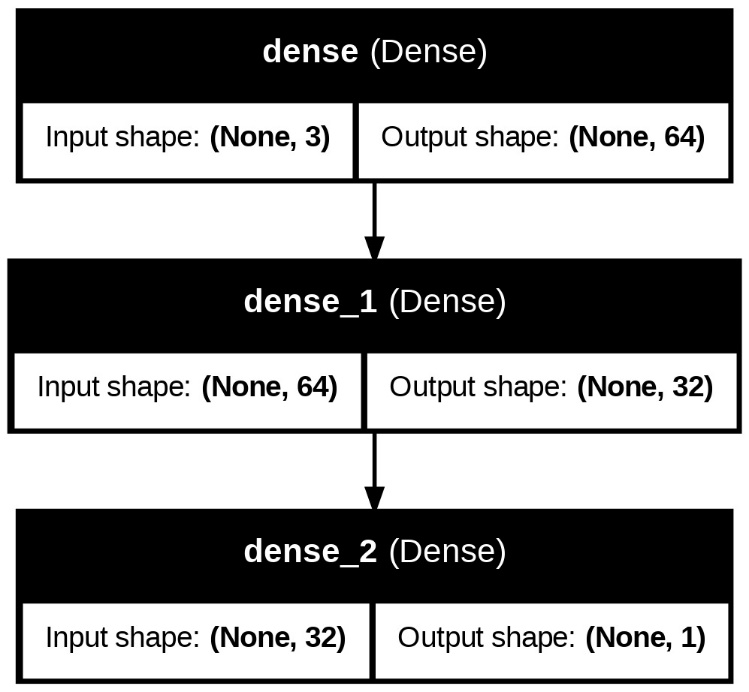


Fig: Artiﬁcial neural network architecture

**Architectural diagram and its details**:

1. Input Layer: 3 inputs
2. First Hidden Layer: 64 neurons with ReLU activation
3. Second Hidden Layer: 32 neurons with ReLU activation
4. Output Layer: 2 neurons with linear activation

**Activation function:**

Activation functions play a crucial role in the performance of Artificial Neural Networks (ANNs) by determining the output of neurons in the network. They introduce non-linearity into the network, allowing the model to capture complex patterns and relationships in the data. Without activation functions, ANNs would behave like linear regression models, limiting their ability to learn from intricate datasets.

Below is the General and expanded activation equation

Assuming below

* **X = [x1, x2​, x3​] as the input vector.**
* **W1, b1 as the weights and biases of the first hidden layer.**
* **W2, b2 as the weights and biases of the second hidden layer.**
* **W3, b3 as the weights and biases of the output layer.**

**Weight Equation Form**

**The output y of the network can be described by the composition of linear transformations and activation functions from each layer, structured as follows:**

**h1 = ReLU(W1 X + b1)**

**h2 = ReLU(W2 h1 + b2)**

**y= W3 h2 + b3**

1. **First Hidden Layer:**
   * **Each neuron in this layer takes the three inputs, applies a linear transformation (a weighted sum plus a bias), and then applies the ReLU activation function. The ReLU function is defined as ReLU(z)=max (0, z).**
2. **Second Hidden Layer:**
   * **This layer takes the outputs of the first hidden layer, again applies a linear transformation followed by the ReLU activation.**
3. **Output Layer:**
   * **Takes the outputs of the second hidden layer, applies a final linear transformation to produce the multiple output y.**

**Final Expanded Equation**:

Output = ((-0.022 \* ReLU(((0.125 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.236 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.085 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.025 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.061 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.186 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.242 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.084 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.048 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.182 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.004 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (0.102 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.007 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.232 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.136 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.086 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.010 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.249 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.091 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.112 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.184 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.081 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.015 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.264 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.002 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.138 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.114 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.236 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.044 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.022 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) 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(-0.199 \* day\_of\_year) + 0.000))) + (-0.049 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.066 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.174 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.067 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.049))) + (0.101 \* ReLU(((0.016 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.079 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.185 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.119 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.210 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.250 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.026 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.073 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (0.037 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.150 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.174 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (0.207 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.138 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-0.075 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.014 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.116 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.077 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.271 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.014 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.121 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.186 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (-0.166 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.053 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.087 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.045 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.157 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.194 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.245 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.108 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.098 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.131 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.103 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.038 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.220 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.009 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.116 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.048 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.181 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.133 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.059 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.055 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (0.068 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.011 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (-0.061 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.192 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.032 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.154 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.161 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.060 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.190 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.055 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.133 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.024 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (-0.119 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.123 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.217 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.086 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.085 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.146 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.065 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.243 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.135 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.037 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.120 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.027))) + (-0.264 \* ReLU(((-0.055 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.067 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.103 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.140 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.084 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.132 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.062 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.011 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.154 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.153 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.094 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.081 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.222 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-0.129 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.142 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (0.103 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.074 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.185 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.123 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.245 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.071 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (-0.136 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.099 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.046 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.063 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.242 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.006 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.196 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.037 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.097 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.246 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.086 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.131 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.223 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.044 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.056 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (-0.025 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.062 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.118 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.074 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (-0.086 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.051 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (-0.069 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (-0.147 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.274 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.038 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.158 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.049 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.045 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.168 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.061 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.020 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.215 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.082 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.118 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (-0.140 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (0.020 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.022 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.020 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.198 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.166 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.067 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.231 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.108 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.046))) + (-0.117 \* ReLU(((0.090 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.023 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.138 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.005 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.135 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.021 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.132 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.031 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.126 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.225 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.070 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.137 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.071 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.144 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.064 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (0.145 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.141 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.148 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.071 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.011 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.041 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.037 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.050 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.247 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.245 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.181 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.157 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.028 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.155 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.174 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.107 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.090 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.070 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.241 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.065 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.241 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (-0.204 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.176 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.182 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.073 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.157 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.077 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.176 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.213 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.224 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.004 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.216 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.165 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.230 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.073 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (0.091 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.247 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.198 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.135 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.187 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (-0.141 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (0.200 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.096 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.031 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.107 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.101 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.058 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.016 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.175 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.000))) + (-0.086 \* ReLU(((0.225 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.124 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.132 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.032 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.080 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.093 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.195 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.157 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.100 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.039 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.228 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.183 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.074 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.040 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.086 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.064 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.033 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.192 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.069 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.138 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.205 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (-0.005 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.218 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.158 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.060 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.179 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.180 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.145 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.088 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.044 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.170 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.098 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.033 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.228 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.060 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.014 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (-0.095 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.017 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.074 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.153 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (-0.049 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.237 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (-0.187 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.046 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.222 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.233 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.145 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (-0.101 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.173 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.017 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (0.224 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.030 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.014 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (-0.207 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.193 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.231 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (0.029 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.214 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.087 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.027 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.181 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.033 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.216 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (-0.146 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.000))) + (-0.023 \* ReLU(((-0.111 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.120 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.066 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.024 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.051 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.214 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.028 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.143 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.070 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.172 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.224 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.060 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.136 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.174 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.083 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (0.088 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.013 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.169 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.142 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.172 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.023 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (-0.161 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.205 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.006 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.086 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.073 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.043 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.077 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.135 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.154 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.077 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.138 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.058 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.163 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.173 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.073 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (-0.039 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.009 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.150 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.007 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (-0.050 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (0.126 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (-0.256 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (-0.170 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.117 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.004 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.093 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.151 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.163 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.181 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.012 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.044 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.054 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.138 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.158 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (-0.154 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.012 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.159 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.028 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.106 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.147 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.174 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.170 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.148 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.025))) + (0.180 \* ReLU(((-0.233 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.107 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.265 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.266 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.230 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.123 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.061 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.030 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.091 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.158 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.024 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.222 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.127 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.221 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.220 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (0.004 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.023 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.182 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.139 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.132 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.091 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (-0.020 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.051 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.197 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.226 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.164 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.023 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.059 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.153 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.131 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.219 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.100 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.065 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.196 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.109 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.046 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.129 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.012 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.143 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.133 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.067 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.131 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.216 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.160 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.112 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.099 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.014 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.191 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.246 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.159 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.137 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.109 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.188 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.145 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.012 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (-0.227 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.068 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.021 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.014 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.070 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.268 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.004 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.120 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (-0.109 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.031))) + (-0.939 \* ReLU(((-0.142 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.149 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.139 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.389 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.151 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.065 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.084 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.062 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (0.821 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.018 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.228 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.191 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.142 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (1.661 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.516 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (1.674 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.059 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.126 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.115 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.085 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.208 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.230 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.211 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.140 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.164 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.165 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.125 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (1.252 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.721 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.214 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.135 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.134 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.000 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.068 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.240 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.027 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.091 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.980 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.837 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.079 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (-0.044 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (1.557 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.181 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.117 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.207 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.249 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.139 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (-0.264 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.548 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.189 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (1.708 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.134 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.076 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.145 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.125 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.002 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (1.037 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.152 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.059 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.202 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.048 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.169 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.277 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (-0.097 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.223))) + (0.543 \* ReLU(((0.191 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.559 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.480 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.508 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.183 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.156 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.235 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.197 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-1.173 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.092 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.502 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.116 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.136 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-1.601 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.779 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-1.680 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.474 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.040 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.210 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.202 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.546 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.345 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.077 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.180 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.009 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.056 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.371 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.996 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.752 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.454 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.021 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.512 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.464 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.225 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.089 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.147 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.245 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-1.065 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-1.025 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.055 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.134 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-1.549 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.150 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.184 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.221 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.522 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.480 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.546 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.114 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.499 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-1.724 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.056 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.234 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.462 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.044 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.338 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-1.178 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.081 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.228 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.203 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.196 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.364 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.391 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.285 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.497))) + (0.763 \* ReLU(((0.159 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.450 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.604 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.166 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.090 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.156 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.308 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.217 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-1.211 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.460 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.336 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (0.196 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.059 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-1.609 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.426 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-1.744 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.176 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.153 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.466 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.185 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.189 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.379 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.033 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.178 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.225 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.181 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.452 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-1.011 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.647 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.556 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.044 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.396 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.302 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.248 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.036 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.471 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.393 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-1.044 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-1.114 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.168 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.453 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-1.579 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.534 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.264 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.310 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.252 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.217 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.507 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.204 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.602 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-1.811 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.164 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.226 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.328 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.230 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.385 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-1.207 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.093 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.210 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.088 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.245 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.128 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.119 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.560 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.465))) + (0.602 \* ReLU(((-0.008 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.542 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.695 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.584 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.219 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.115 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.140 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.262 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-1.009 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.562 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.488 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.031 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.194 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-1.719 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.952 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-2.063 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.174 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.386 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.202 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.042 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.529 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.288 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.219 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.319 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.122 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.078 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.320 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-1.077 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.730 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.476 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.235 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.272 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.100 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.015 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.052 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.338 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.434 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-1.221 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-1.058 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.508 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.128 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-1.553 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.221 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.511 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.399 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.192 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.285 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.416 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.014 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.385 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-1.513 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.088 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.125 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.083 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.064 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.358 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.856 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.111 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.170 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.065 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.271 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.257 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.014 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.175 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.478))) + (-0.270 \* ReLU(((-0.111 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.030 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.231 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.013 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.159 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.180 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.180 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.011 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.188 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.015 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.135 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (0.016 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.129 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-0.181 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.085 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (0.093 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.147 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.100 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.193 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.147 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.029 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (-0.161 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.128 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.053 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.172 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.067 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.071 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.230 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.162 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.062 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.059 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.071 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.044 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.155 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.238 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.178 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.026 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.074 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.133 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.260 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.021 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.219 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.081 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.106 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.259 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.015 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.091 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.104 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.179 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.015 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.229 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.164 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.251 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.093 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.045 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (-0.190 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.090 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.241 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.133 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.138 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.231 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.292 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.181 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.014 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.043))) + (0.221 \* ReLU(((0.151 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.225 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.055 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.140 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.185 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.157 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.020 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.062 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.010 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.037 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (-0.227 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.098 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.044 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.186 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.233 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (0.157 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.091 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.063 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.235 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.202 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.081 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.116 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.041 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.198 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.080 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.036 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.054 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.001 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.083 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.144 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.149 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.057 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.050 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.058 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.092 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.112 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (-0.183 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.011 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.163 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.229 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (-0.068 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.167 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (-0.234 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (-0.179 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.052 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.153 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.187 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (-0.014 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.200 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.208 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (0.038 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.025 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.069 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (-0.029 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.069 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (-0.094 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.210 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.202 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.008 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.216 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.199 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.162 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.068 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.162 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.000))) + (0.303 \* ReLU(((-0.062 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.268 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.088 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.413 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.146 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.030 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.244 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.277 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-1.089 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.141 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.442 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.237 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.209 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-1.655 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.073 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-1.693 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.064 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.216 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.247 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.217 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.365 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.392 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.232 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.014 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.134 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.090 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.240 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.636 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.546 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.343 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.078 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.037 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.111 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.027 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.047 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.327 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.177 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.172 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.224 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.068 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.540 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-1.580 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.113 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.120 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.429 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.012 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.331 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.063 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.142 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.165 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-1.418 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.046 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.070 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.318 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.030 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.316 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.450 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.211 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.062 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.213 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.126 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.358 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.319 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.306 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.555))) + (-0.004 \* ReLU(((-0.118 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.218 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.069 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.070 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.236 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.180 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.160 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.149 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.204 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.065 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (-0.142 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.200 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.009 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.037 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.221 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (0.174 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.103 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.027 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.231 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.240 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.192 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (-0.123 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.031 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.192 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.119 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.118 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.069 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.209 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.190 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.048 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.055 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.086 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.105 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.209 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.202 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.243 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (-0.041 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.183 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.054 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.018 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.039 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (0.156 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.159 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (-0.073 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.011 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.119 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.006 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.137 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.004 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.063 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (0.079 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.111 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.089 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (-0.151 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.046 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (-0.064 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.143 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.076 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.020 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.014 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.175 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.264 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.196 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.072 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.029))) + (0.073 \* ReLU(((-0.128 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.092 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.209 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.172 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.215 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.111 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.246 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.202 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (0.514 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.224 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.003 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.061 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.014 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-0.528 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.697 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.620 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.161 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.184 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.090 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.244 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.075 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.104 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.168 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.015 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.121 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.118 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.015 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.167 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.441 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.153 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.073 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.029 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.196 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.142 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.145 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.079 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (-0.050 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.019 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.073 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.253 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.161 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.104 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.027 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (-0.017 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.043 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.077 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.057 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.055 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.213 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.208 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.370 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.018 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.251 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.057 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.026 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (-0.068 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (0.109 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.010 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.083 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.248 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.038 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.227 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.251 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (-0.028 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.045))) + (-0.131 \* ReLU(((-0.029 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.190 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.229 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.079 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.116 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.243 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.145 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.252 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.149 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.103 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (-0.162 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (0.080 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.061 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.227 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.043 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.239 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.108 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.144 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.187 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.153 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.102 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.005 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.177 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.095 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.024 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.006 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.049 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.145 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.217 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.196 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.048 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.043 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.138 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.001 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.096 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.039 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.214 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.018 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.087 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.162 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (-0.090 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (0.054 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (-0.043 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.052 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.147 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.081 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.023 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.014 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.211 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.116 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.181 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.018 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.195 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (-0.146 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.126 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.227 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.088 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.238 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.214 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.223 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.215 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.082 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.112 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.005 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.008))) + (-0.551 \* ReLU(((0.037 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.318 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.677 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.487 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.112 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.242 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.155 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.018 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.884 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.156 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.059 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (0.148 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.098 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-0.341 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-1.430 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.190 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.205 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.049 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.101 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.166 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.143 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.219 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.178 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.059 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.027 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.118 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.236 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.014 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.465 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.158 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.206 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.171 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.195 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.106 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.244 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.240 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.002 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.350 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.509 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.146 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.340 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.638 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.085 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.210 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.097 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.146 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.160 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (-0.217 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.425 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.059 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.190 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.209 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.287 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.507 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.106 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.521 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.279 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.179 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.032 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.196 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.354 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.315 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.236 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.005 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.418))) + (0.301 \* ReLU(((-0.232 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.231 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.174 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.301 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.080 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.065 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.244 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.211 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-1.287 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.088 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.363 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (0.129 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.192 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-1.750 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.446 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-1.487 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.033 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.249 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.053 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.097 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.129 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.514 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.099 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.369 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.035 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.222 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.312 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.775 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.174 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.419 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.092 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.216 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.148 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.077 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.068 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.127 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.205 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.353 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.596 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.439 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.189 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-1.593 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.324 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.410 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.401 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.434 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.203 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.286 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.391 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.372 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-1.525 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.075 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.171 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.550 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.133 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.128 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.728 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.164 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.285 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.171 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.318 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.437 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.094 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.286 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.558))) + (-0.027 \* ReLU(((0.159 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.128 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.085 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.128 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.235 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.023 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.104 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.203 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (0.062 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.167 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (-0.168 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.214 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.246 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-0.210 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.039 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.226 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.108 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.180 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.186 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.130 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.263 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.054 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.200 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.089 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.206 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.131 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.098 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.221 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.057 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.057 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.111 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.130 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.148 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.079 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.057 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.104 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.073 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.168 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.120 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.188 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (-0.272 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (0.137 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (-0.021 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.169 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.230 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.245 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.096 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (-0.008 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.071 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.110 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.249 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.082 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.147 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.052 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.032 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.067 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (0.187 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.036 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.167 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.138 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.171 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.164 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.067 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.084 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.031))) + (0.177 \* ReLU(((0.091 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.205 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.027 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.135 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.019 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.188 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.221 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.042 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (0.071 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.023 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (-0.191 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.242 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.154 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-0.112 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.122 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.164 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.274 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.128 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.100 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.205 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.175 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.007 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.203 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.188 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.208 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.127 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.195 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.144 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.033 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.105 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.008 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.137 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.190 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.071 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.102 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.046 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (-0.155 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.094 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.101 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.240 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.181 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.146 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.196 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.028 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.259 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.070 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.021 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.187 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.041 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.256 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (0.129 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.192 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.281 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (-0.024 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.248 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.192 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.208 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.029 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.007 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.166 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.140 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.029 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.206 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.121 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.040))) + (0.369 \* ReLU(((-0.202 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.030 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.457 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.476 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.171 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.108 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.014 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.376 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-1.330 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.426 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.040 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (0.033 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.135 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-1.750 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.029 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-1.697 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.023 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.008 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.261 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.122 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.037 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.106 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.062 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.016 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.102 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.176 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.001 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.940 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.501 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.410 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.128 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.367 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.370 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.134 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.026 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.007 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.029 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.173 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.709 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.193 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.196 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-1.473 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.482 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.128 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.173 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.296 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.113 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.343 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.244 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.510 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-1.438 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.163 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.019 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.104 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.165 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.124 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.525 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.136 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.119 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.036 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.473 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.022 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.283 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.409 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.512))) + (-1.292 \* ReLU(((0.060 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.030 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.610 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.385 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.055 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.091 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.224 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.015 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.351 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.192 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.270 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.169 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.107 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (1.868 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-2.323 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (1.798 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.167 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.071 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.025 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.005 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.196 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (-0.182 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.244 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (-0.027 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.097 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.149 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.301 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.956 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.874 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.136 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.096 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.020 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.211 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.031 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.114 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.059 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.036 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (1.451 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (1.268 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.203 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.423 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (1.602 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.383 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.195 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.241 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.296 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.199 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (-0.182 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.030 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.013 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (1.879 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.054 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.161 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.367 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.077 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.165 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (0.969 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.148 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.168 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.247 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.285 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.083 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.219 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.305 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.300))) + (-0.400 \* ReLU(((-0.184 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.006 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.051 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.034 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.101 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.106 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.208 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.015 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.007 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.141 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (-0.188 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (0.238 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.101 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.189 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.133 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.186 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.063 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.143 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.047 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.085 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.020 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.035 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.070 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.048 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.117 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.132 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.037 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.012 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.117 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.046 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.132 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.077 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.211 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.030 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.013 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.067 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (-0.197 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.110 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.088 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.147 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.080 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.247 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.203 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (-0.069 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.180 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.068 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.241 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (-0.205 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.158 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.130 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.204 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.206 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.209 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.197 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.212 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.173 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.176 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.146 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.216 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.126 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.175 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.095 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.003 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (-0.209 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.000))) + (0.302 \* ReLU(((0.147 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.055 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.143 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.033 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.187 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.059 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.196 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.222 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (0.194 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.166 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (-0.176 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.206 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.232 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.077 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.200 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.021 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.216 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.139 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.169 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.011 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.042 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.003 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.081 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.199 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.086 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.008 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.085 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.097 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.001 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.022 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.196 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.232 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.062 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.070 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.128 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.123 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.146 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.205 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (0.206 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.208 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.025 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (0.155 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (-0.098 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (-0.206 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.124 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.102 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.075 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (-0.106 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.049 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.171 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-0.090 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.112 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.007 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (-0.136 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.178 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (-0.075 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (0.223 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.242 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.160 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.085 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.191 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.164 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.076 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.102 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.026))) + (0.375 \* ReLU(((0.106 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.429 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.056 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.469 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.166 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.207 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.066 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.326 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-1.258 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.449 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.409 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.020 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.016 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-1.412 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.246 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-1.571 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.004 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.382 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.514 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.138 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.486 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.339 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.196 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.218 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.126 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.240 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.126 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.811 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.394 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.404 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.135 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.109 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.220 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.096 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.016 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.186 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.089 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.191 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.325 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.039 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.523 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-1.527 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.038 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.517 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.402 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.254 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.413 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.004 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.087 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.302 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-1.749 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.097 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.437 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.330 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.080 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.426 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.862 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.137 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.420 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.011 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.306 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.145 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.098 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.304 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.529))) + (0.833 \* ReLU(((0.041 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.518 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.352 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.385 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.019 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.232 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.177 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.408 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-1.036 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.243 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.266 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.058 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.070 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-1.839 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.547 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-1.882 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.150 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.156 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.486 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.072 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.363 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.362 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.152 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.436 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.221 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.246 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.611 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-1.133 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (0.909 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.311 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.002 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.481 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.068 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.117 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.064 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.225 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.130 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-1.293 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.773 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.291 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.448 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-1.681 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.148 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.184 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.227 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.450 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.418 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.590 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.138 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.411 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-1.841 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.215 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.511 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.366 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.006 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.375 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-1.119 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.088 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.489 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (-0.024 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.466 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.490 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.144 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.550 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.459))) + (0.789 \* ReLU(((0.190 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.477 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.966 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.079 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.087 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.067 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.454 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.525 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.932 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.384 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.105 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.116 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.004 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-1.923 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (1.451 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-1.860 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.192 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.443 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.426 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (-0.045 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.485 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.309 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.190 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.304 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.010 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.209 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.184 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-1.216 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (1.085 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.512 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (-0.208 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.377 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.210 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.075 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (-0.082 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.055 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.472 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-1.669 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-1.467 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.414 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (0.354 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-1.335 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.378 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.385 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.488 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.194 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.338 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.432 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (0.142 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.404 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-1.926 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.127 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.532 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.120 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.075 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.186 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-1.080 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (-0.153 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.117 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.188 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (0.052 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.193 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.370 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.542 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.406))) + (-0.773 \* ReLU(((-0.059 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (0.104 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-1.285 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.691 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.014 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.227 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.032 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.135 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-0.535 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.001 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.065 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (0.061 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.247 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (1.623 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-1.310 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (1.539 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.302 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.300 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.333 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.185 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.253 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (0.015 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.100 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.301 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.225 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (-0.119 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.257 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (-0.477 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-2.562 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (-0.641 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.034 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.245 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.066 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (-0.206 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.051 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.356 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.143 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.477 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.322 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.089 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (-0.214 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (1.190 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.117 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.190 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.089 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (-0.076 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (-0.020 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.062 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (1.017 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.156 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (1.648 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (0.118 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (0.253 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.070 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (0.229 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.087 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (-0.372 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.170 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.298 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.040 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.179 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.211 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (0.061 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (-0.092 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + -0.263))) + (-0.136 \* ReLU(((-0.026 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.203 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.026 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (-0.119 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.010 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.167 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.187 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.152 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (0.001 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.138 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.016 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.005 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (-0.191 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.068 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.122 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (0.150 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.147 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.133 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.194 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.155 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.082 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (-0.088 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (-0.121 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.024 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (0.033 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.183 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.208 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.141 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.226 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.172 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.007 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.191 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (0.028 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.242 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.132 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (0.011 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.110 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (-0.162 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.234 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (0.111 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (-0.009 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.067 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (-0.111 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.158 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (-0.067 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.083 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.211 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (-0.219 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.247 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (-0.062 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (0.047 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* Rainfall) + (0.647 \* day\_of\_year) + -0.499))) + (-0.245 \* ReLU(((-0.218 \* Air Temp) + (0.220 \* Rainfall) + (-0.231 \* day\_of\_year) + 0.000))) + (-0.152 \* ReLU(((0.360 \* Air Temp) + (-0.245 \* Rainfall) + (-0.110 \* day\_of\_year) + 0.336))) + (0.026 \* ReLU(((-0.273 \* Air Temp) + (-0.248 \* Rainfall) + (0.238 \* day\_of\_year) + 0.457))) + (-0.021 \* ReLU(((-0.233 \* Air Temp) + (0.094 \* Rainfall) + (-0.090 \* day\_of\_year) + 0.000))) + (0.010 \* ReLU(((-0.239 \* Air Temp) + (0.051 \* Rainfall) + (0.123 \* day\_of\_year) + 0.442))) + (0.060 \* ReLU(((0.283 \* Air Temp) + (0.119 \* Rainfall) + (-1.004 \* day\_of\_year) + 0.359))) + (0.228 \* ReLU(((-0.063 \* Air Temp) + (0.270 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (0.182 \* ReLU(((-0.057 \* Air Temp) + (0.055 \* Rainfall) + (0.260 \* day\_of\_year) + 0.377))) + (0.216 \* ReLU(((-0.110 \* Air Temp) + (0.123 \* Rainfall) + (-0.199 \* day\_of\_year) + 0.000))) + (-0.175 \* ReLU(((-0.349 \* Air Temp) + (-0.024 \* Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (-0.165 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.163 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (-0.238 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.000))) + (-0.240 \* ReLU(((-0.219 \* ReLU(((-0.171 \* Air Temp) + (0.039 \* Rainfall) + (-0.135 \* day\_of\_year) + 0.000))) + (-0.056 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (-0.247 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.064 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (-0.161 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (0.066 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (-0.186 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (-0.073 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (0.050 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (-0.187 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (-0.031 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.027 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.049 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (0.222 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (-0.025 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-0.187 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (-0.215 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (0.216 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (-0.209 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.049 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.086 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) + (-0.189 \* day\_of\_year) + 0.422))) + (-0.041 \* ReLU(((0.138 \* Air Temp) + (-0.101 \* Rainfall) + (-0.020 \* day\_of\_year) + 0.431))) + (0.225 \* ReLU(((-0.284 \* Air Temp) + (-0.062 \* Rainfall) + (-0.039 \* day\_of\_year) + 0.000))) + (0.193 \* ReLU(((0.289 \* Air Temp) + (-0.280 \* Rainfall) + (-0.040 \* day\_of\_year) + 0.406))) + (-0.180 \* ReLU(((-0.244 \* Air Temp) + (-0.106 \* Rainfall) + (-0.292 \* day\_of\_year) + 0.000))) + (0.040 \* ReLU(((-0.269 \* Air Temp) + (-0.274 \* Rainfall) + (-0.190 \* day\_of\_year) + 0.000))) + (-0.157 \* ReLU(((0.245 \* Air Temp) + (-0.191 \* Rainfall) + (-0.321 \* day\_of\_year) + 0.389))) + (0.110 \* ReLU(((0.265 \* Air Temp) + (0.157 \* Rainfall) + (-0.974 \* day\_of\_year) + 0.356))) + (-0.243 \* ReLU(((0.686 \* Air Temp) + (0.298 \* Rainfall) + (-0.560 \* day\_of\_year) + 0.099))) + (0.087 \* ReLU(((0.105 \* Air Temp) + (0.258 \* Rainfall) + (-0.320 \* day\_of\_year) + 0.481))) + (0.184 \* ReLU(((-0.038 \* Air Temp) + (-0.052 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (-0.040 \* ReLU(((0.145 \* Air Temp) + (-0.128 \* Rainfall) + (-0.148 \* day\_of\_year) + 0.429))) + (-0.249 \* ReLU(((-0.068 \* Air Temp) + (0.145 \* Rainfall) + (0.005 \* day\_of\_year) + 0.280))) + (0.196 \* ReLU(((-0.177 \* Air Temp) + (-0.037 \* Rainfall) + (-0.262 \* day\_of\_year) + 0.000))) + (0.121 \* ReLU(((-0.077 \* Air Temp) + (0.122 \* Rainfall) + (-0.012 \* day\_of\_year) + 0.000))) + (-0.112 \* ReLU(((0.065 \* Air Temp) + (0.192 \* Rainfall) + (0.132 \* day\_of\_year) + 0.343))) + (0.171 \* ReLU(((0.179 \* Air Temp) + (0.173 \* Rainfall) + (0.180 \* day\_of\_year) + 0.368))) + (0.230 \* ReLU(((0.045 \* Air Temp) + (0.162 \* Rainfall) + (-0.965 \* day\_of\_year) + 0.659))) + (-0.114 \* ReLU(((0.065 \* Air Temp) + (-0.283 \* Rainfall) + (-0.879 \* day\_of\_year) + 0.460))) + (-0.137 \* ReLU(((0.249 \* Air Temp) + (0.156 \* Rainfall) + (-0.055 \* day\_of\_year) + 0.372))) + (-0.205 \* ReLU(((-0.293 \* Air Temp) + (0.201 \* Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-0.182 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (-0.076 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (-0.168 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.039 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 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(-0.135 \* day\_of\_year) + 0.000))) + (0.138 \* ReLU(((0.074 \* Air Temp) + (-0.141 \* Rainfall) + (0.067 \* day\_of\_year) + 0.438))) + (0.321 \* ReLU(((0.612 \* Air Temp) + (0.268 \* Rainfall) + (-0.422 \* day\_of\_year) + 0.019))) + (0.210 \* ReLU(((-0.386 \* Air Temp) + (0.172 \* Rainfall) + (-0.028 \* day\_of\_year) + 0.439))) + (0.249 \* ReLU(((-0.235 \* Air Temp) + (-0.027 \* Rainfall) + (-0.008 \* day\_of\_year) + 0.000))) + (-0.175 \* ReLU(((-0.144 \* Air Temp) + (-0.082 \* Rainfall) + (0.005 \* day\_of\_year) + 0.000))) + (0.152 \* ReLU(((0.084 \* Air Temp) + (0.006 \* Rainfall) + (0.237 \* day\_of\_year) + 0.411))) + (0.300 \* ReLU(((0.208 \* Air Temp) + (-0.115 \* Rainfall) + (0.115 \* day\_of\_year) + 0.425))) + (-1.182 \* ReLU(((0.517 \* Air Temp) + (-0.001 \* Rainfall) + (-0.885 \* day\_of\_year) + 0.198))) + (0.496 \* ReLU(((0.185 \* Air Temp) + (0.076 \* Rainfall) + (-0.091 \* day\_of\_year) + 0.418))) + (0.479 \* ReLU(((-0.191 \* Air Temp) + (-0.238 \* Rainfall) + (0.210 \* day\_of\_year) + 0.398))) + (-0.149 \* ReLU(((-0.127 \* Air Temp) + (-0.078 \* Rainfall) + (-0.001 \* day\_of\_year) + 0.000))) + (0.140 \* ReLU(((-0.171 \* Air Temp) + (-0.210 \* Rainfall) + (-0.068 \* day\_of\_year) + 0.000))) + (-1.765 \* ReLU(((-0.005 \* Air Temp) + (0.086 \* Rainfall) + (0.699 \* day\_of\_year) + -0.511))) + (0.101 \* ReLU(((0.747 \* Air Temp) + (-0.084 \* Rainfall) + (-0.303 \* day\_of\_year) + -0.323))) + (-1.797 \* ReLU(((0.010 \* Air Temp) + (0.023 \* Rainfall) + (0.677 \* day\_of\_year) + -0.507))) + (0.379 \* ReLU(((0.170 \* Air Temp) + (-0.140 \* Rainfall) + (0.088 \* day\_of\_year) + 0.250))) + (-0.031 \* ReLU(((0.154 \* Air Temp) + (-0.221 \* Rainfall) + (0.035 \* day\_of\_year) + 0.300))) + (0.183 \* ReLU(((0.118 \* Air Temp) + (-0.252 \* Rainfall) + (-0.216 \* day\_of\_year) + 0.431))) + (0.187 \* ReLU(((-0.277 \* Air Temp) + (0.221 \* Rainfall) + (-0.229 \* day\_of\_year) + 0.000))) + (0.548 \* ReLU(((0.141 \* Air Temp) + (0.036 \* Rainfall) 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Rainfall) + (0.248 \* day\_of\_year) + 0.473))) + (-1.287 \* ReLU(((-0.082 \* Air Temp) + (0.097 \* Rainfall) + (0.779 \* day\_of\_year) + -0.508))) + (0.538 \* ReLU(((-0.159 \* Air Temp) + (0.090 \* Rainfall) + (0.237 \* day\_of\_year) + 0.428))) + (0.095 \* ReLU(((-0.018 \* Air Temp) + (0.034 \* Rainfall) + (0.172 \* day\_of\_year) + 0.423))) + (0.454 \* ReLU(((0.166 \* Air Temp) + (0.007 \* Rainfall) + (0.220 \* day\_of\_year) + 0.433))) + (0.475 \* ReLU(((0.313 \* Air Temp) + (0.261 \* Rainfall) + (-0.352 \* day\_of\_year) + 0.417))) + (0.269 \* ReLU(((0.168 \* Air Temp) + (0.183 \* Rainfall) + (0.160 \* day\_of\_year) + 0.457))) + (0.186 \* ReLU(((0.289 \* Air Temp) + (-0.259 \* Rainfall) + (-0.260 \* day\_of\_year) + 0.404))) + (-0.280 \* ReLU(((0.533 \* Air Temp) + (-0.160 \* Rainfall) + (0.226 \* day\_of\_year) + -0.145))) + (0.491 \* ReLU(((0.082 \* Air Temp) + (0.290 \* Rainfall) + (-0.251 \* day\_of\_year) + 0.459))) + (-1.528 \* ReLU(((0.027 \* Air Temp) + (-0.027 \* 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Rainfall) + (0.148 \* day\_of\_year) + 0.438))) + (0.096 \* ReLU(((0.012 \* Air Temp) + (0.261 \* Rainfall) + (0.234 \* day\_of\_year) + 0.417))) + (-0.099 \* ReLU(((-0.063 \* Air Temp) + (-0.099 \* Rainfall) + (-0.134 \* day\_of\_year) + 0.058))) + (0.229 \* ReLU(((-0.045 \* Air Temp) + (0.201 \* Rainfall) + (0.066 \* day\_of\_year) + 0.458))) + 0.534))) + 0.347)

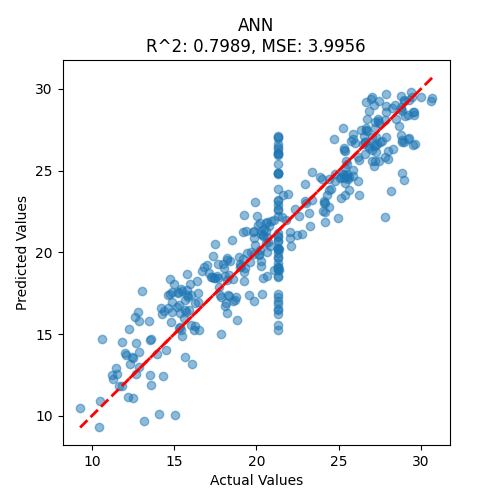
**Results and Discussion**

The performance of each model was evaluated on the testing set, and the results were compared based on R² and Mean Squared Error (MSE). The models demonstrated varying levels of performance, depending on the complexity of the relationships in the data. The Artificial Neural Network (ANN) model outperformed the others, achieving the lowest MSE, while models like the Decision Tree struggled to generalize well, particularly with non-linear data. Random Forest showed strong performance particularly effective for smaller datasets.

**Overfitting and Underfitting**: During the training process, no overfitting or underfitting was observed. This was achieved through proper hyperparameter tuning and the use of cross-validation, ensuring that each model generalized well to unseen data.

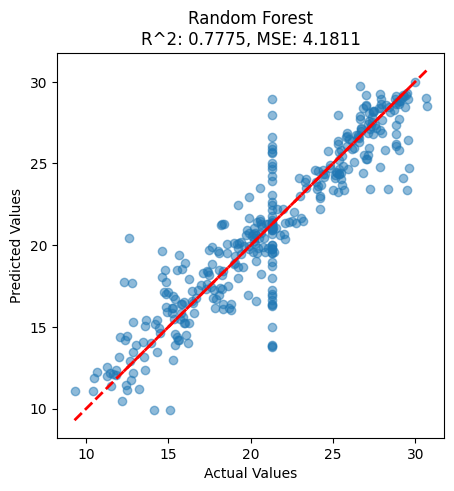
**Summary of Results**

1. **Artificial Neural Network (ANN)**: Delivered the best results with excellent predictive accuracy, thanks to its ability to capture complex non-linear relationships.
   * **R² = 0.7989, MSE = 3.99**
   * **Graph**:



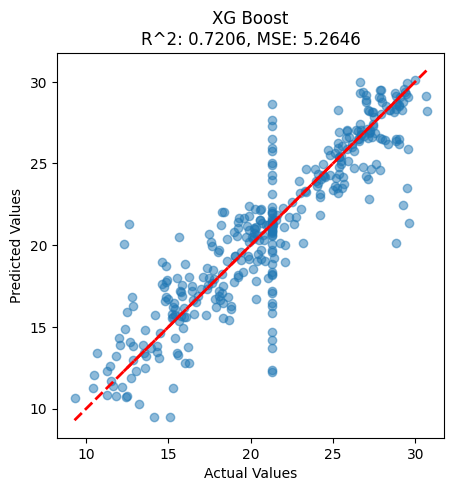
* + **Explanation**: The ANN model demonstrates strong predictive performance with an **R² value of 0.7989** and a **low MSE of 3.995**. The predicted values closely follow the diagonal, indicating a good fit between actual and predicted values. ANN effectively captures the non-linear relationships in the data, making it one of the top-performing models.

1. **Random Forest**: Achieved strong predictive performance by averaging multiple decision trees, reducing overfitting and increasing generalization power.
   * **R² = 0.7775, MSE = 4.181**
   * **Graph**:



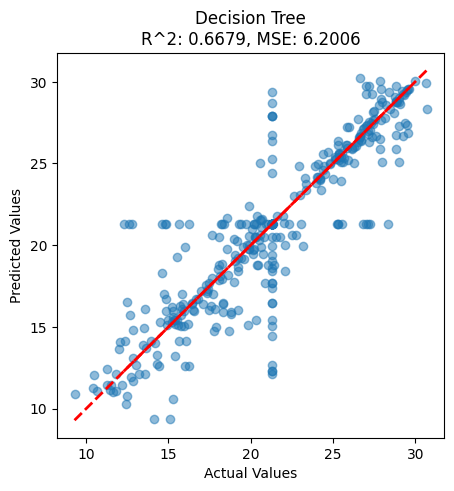
* + **Explanation**: Random Forest demonstrates solid performance, with an **R² of 0.7775** and an **MSE of 4.181**. By averaging multiple decision trees, it reduces overfitting and performs better than the individual Decision Tree. However, it still slightly underperforms compared to the ANN and Support Vector models.

1. **XGBoost Regression**: Provided a strong baseline model, capturing linear relationships also handling complex patterns in the data.
   * **R² = 0.7206, MSE = 5.2646**
   * **Graph**:



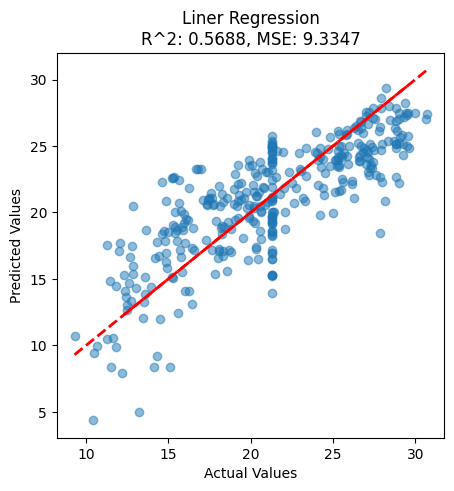
* + **Explanation**: XG Boost performs reasonably well, with an **R² value of 0.7206** and an **MSE of 5.2646**. However, it struggles with non-linear relationships, resulting in moderate errors. The plot shows some data points deviating from the diagonal, indicating that while Linear Regression works well for simple relationships to capture more complex patterns.

1. **Decision Tree**: Captured non-linear interactions, but performance was limited due to overfitting and lower generalization capability compared to ensemble models.
   * **R² = 0.6679, MSE = 6.2006**
   * **Graph**:



* + **Explanation**: The Decision Tree Regressor struggles to capture the complexity of the data, with an **R² value of 0.6679** and a **higher MSE of 6.2006**. The scatter plot shows significant variance around the diagonal line, indicating that the model’s predictions deviate substantially from the actual values. The model is prone to overfitting and lacks generalization capability.

1. **Linear Regression**: Provided a strong baseline model, capturing linear relationships but limited in handling complex patterns in the data.
   * **R² = 0.5688, MSE = 9.334**
   * **Graph**:



* + **Explanation**: Linear Regression performs reasonably well, with an **R² value of 0.5688** and an **MSE of 9.334**. However, it struggles with non-linear relationships, resulting in moderate errors. The plot shows some data points deviating from the diagonal, indicating that while Linear Regression works well for simple relationships, it fails to capture more complex patterns.

**ANN Outperforms Other Models:**

Artificial Neural Networks (ANNs) excel at capturing complex, non-linear relationships through their multiple hidden layers and activation functions. Unlike Linear Regression, which assumes linearity, and Decision Trees, which overfit easily, ANN can generalize better on unseen data. Its flexibility in learning from large datasets through backpropagation makes it more effective than all models, which struggles with larger datasets and complex patterns unless specific kernels are used.

Random Forest improves over Decision Trees by reducing overfitting through averaging, but it lacks the depth and ability to model hierarchical data like ANN. Additionally, ANN is robust to noise and can handle high-dimensional data, while traditional models, including SVM and Random Forest, tend to face challenges with noise or computational limitations in high-dimensional spaces.

ANN also scales better with larger datasets, continually refining its predictions over multiple training epochs. Its ability to self-learn important features makes it highly adaptable, outperforming models that require more manual tuning, like Decision Trees.

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