```
             table.(num_parameters*i-2) = floor(table.(num_parameters*i-2));  %↙
quantity

             % change reciever power to 0
             table.(num_parameters*i)(table.(num_parameters*i-3)==2)=0;  % receiver

             % change type column to have text instead of integer
             col_name_type = "Type " + string(i);
             table.(col_name_type) = floor(table.(col_name_type));
             table.(col_name_type) = arrayfun(@(int) say_type(int), table. ↙
(col_name_type), 'UniformOutput', false);

              numCols = width(table);

            % Move the Gain and Cost values to the beginning of the table
            disp_table = [table(:, numCols), table(:, numCols-1), table(:, 1:numCols- ↙
2)];
         end % end for i = 1:styles
 % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
        % say_type Function Definition
        % inputs an integer representation of antennae and outputs a text
        % representation of antennae
        % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
        % Parameters
        % t = the integer representation of antennae (0, 1 or 2)
        % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
        % Return
        % type = text representation of antennae (Transmitter, Receiver,
        % Monostatic)
        % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~


       function type_string = say_type(type_int)
            type_int = floor(type_int);
            if type_int == 0
                type_string='Transmitter';
            elseif type_int== 1
                type_string='Monostatic';
            elseif type_int== 2
                type_string='Receiver';
            else
                type_string='error';
            end
         end % end say_type function
    end




    % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
    % output_graph Function Definition
    % create a scatterplot to represent cost and gain optimized solutions
    % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
    % Parameters
```