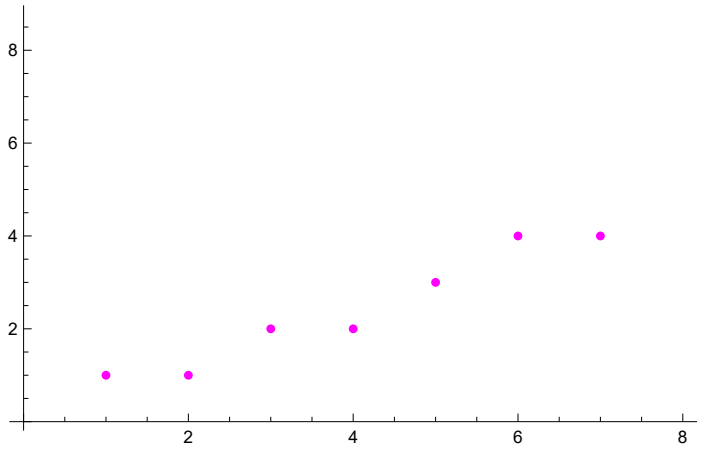
In[•]:=
```
Plus[3, 4]
```
Out[•]=
```
7
```

In[•]:=
```
Times[2, 3]
```
Out[•]=
```
6
```

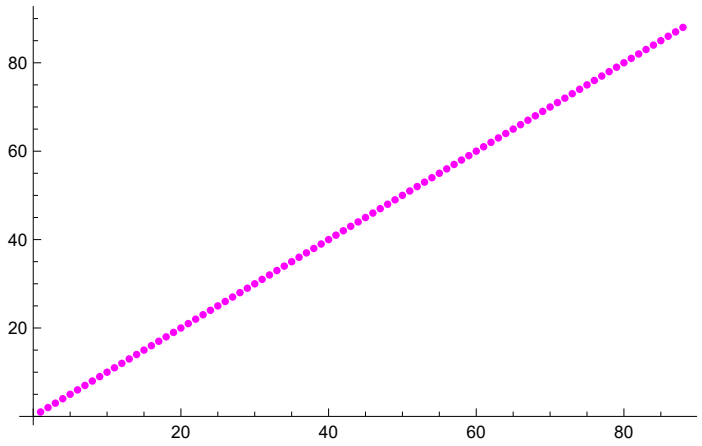
In[•]:=
```
Times[2, Plus[2, 3]]
```
Out[•]=
```
10
```

In[•]:=
```
ListPlot[{1, 1, 2, 2, 3, 4, 4, 88}, PlotStyle → Magenta]
```
Out[•]=



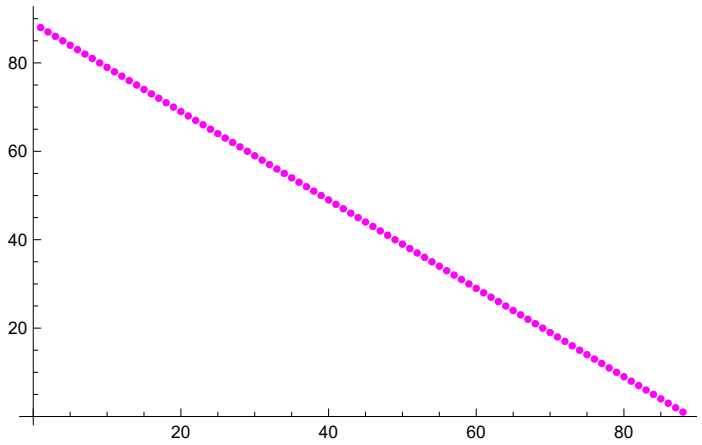
In[•]:=
```
x = Range[88]
```
Out[•]=
```
{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25,
 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46,
 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67,
 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88}
```

In[•]:=
```
ListPlot[x, PlotStyle → Magenta]
```
Out[•]=



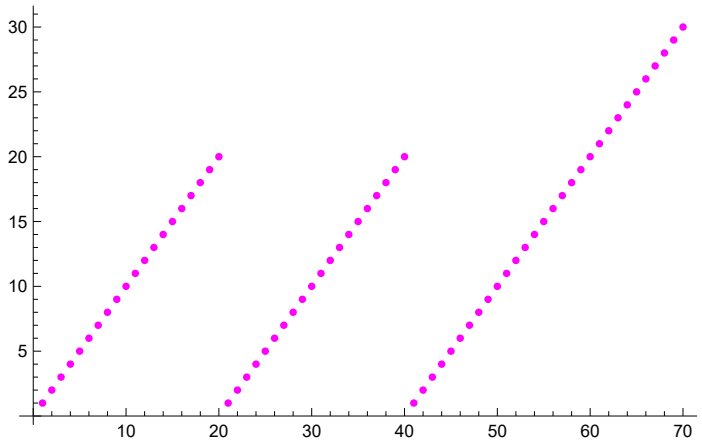
In[•]:=
```
ListPlot[Reverse[x], PlotStyle → Magenta]
```

Out[•]=



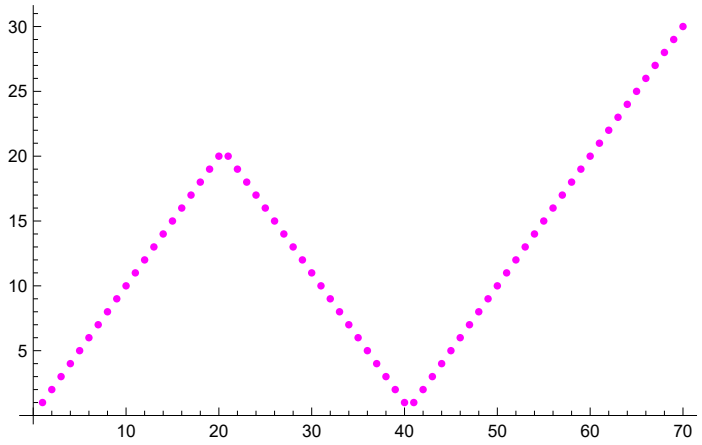
In[•]:=
```
ListPlot[Join[Range[20], Range[20], Range[30]], PlotStyle → Magenta]
```

Out[•]=



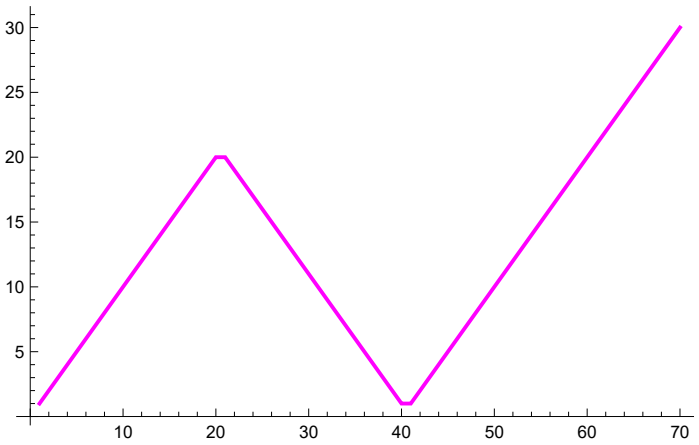
In[•]:=
```
ListPlot[Join[Range[20], Reverse[Range[20]], Range[30]], PlotStyle → Magenta]
```

Out[•]=



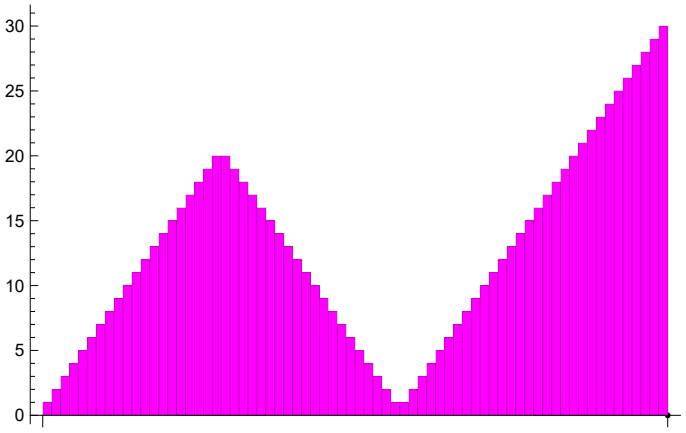
In[•]:= `ListLinePlot[Join[Range[20], Reverse[Range[20]], Range[30]], PlotStyle → Magenta]`

Out[•]=



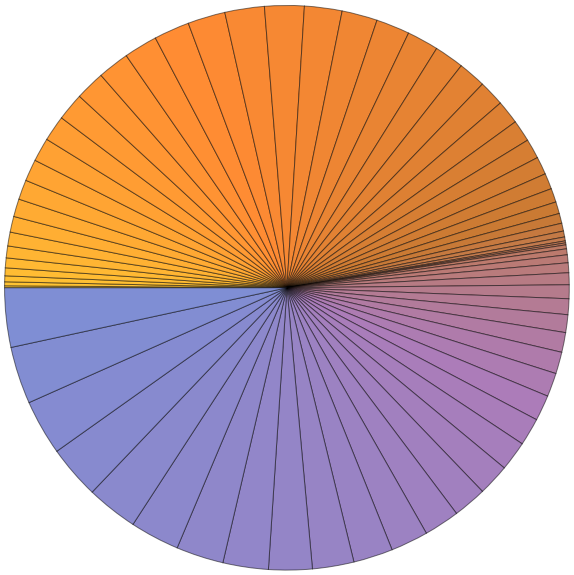
In[•]:= `BarChart[Join[Range[20], Reverse[Range[20]], Range[30]], ChartStyle → Magenta]`

Out[•]=



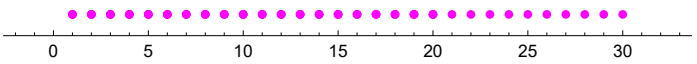
In[•]:= `PieChart[Join[Range[20], Reverse[Range[20]], Range[30]], ChartStyle → "Hue[.5]"]`

Out[•]=



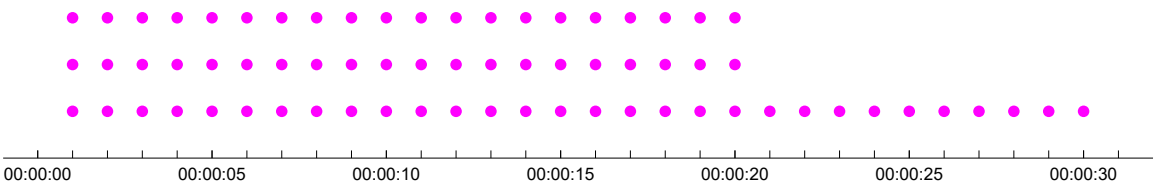
In[•]:=
```
NumberLinePlot[Join[Range[20], Reverse[Range[20]], Range[30]], PlotStyle → Magenta]
```

Out[•]=



In[•]:=
```
TimelinePlot[Join[Range[20], Reverse[Range[20]], Range[30]], PlotStyle → Magenta]
```

Out[•]=



In[•]:=
```
data = Table[{3 + i + RandomReal[{-3, 7}], i + RandomReal[{-2, 5}]}, {i, 1, 20}];
```

In[•]:=
```
model = LinearModelFit[data, x, x]
```

Out[•]=

FittedModel[−0.81 + 0.874 x]

In[•]:=
```
model["BestFit"]
```

Out[•]=

−0.810145 + 0.874127 x

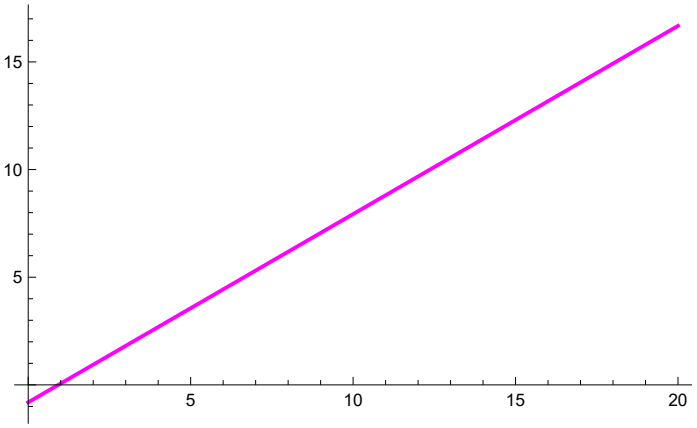
In[•]:=
```
model["BestFit"]
```

Out[•]=

−0.810145 + 0.874127 x

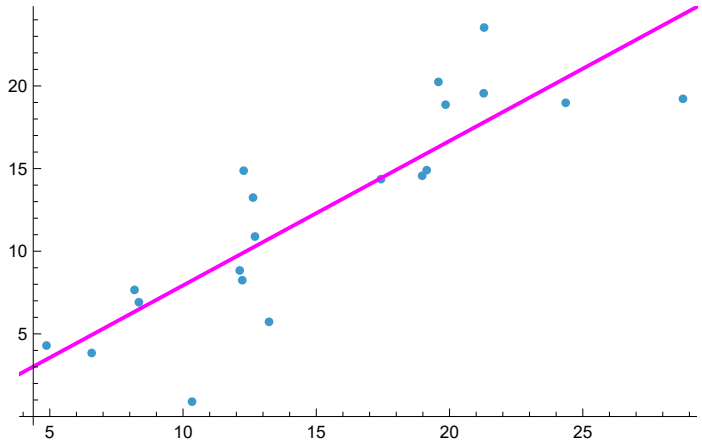
In[•]:=
```
Plot[model["BestFit"], {x, 0, 20}, PlotStyle → Magenta]
```

Out[•]=



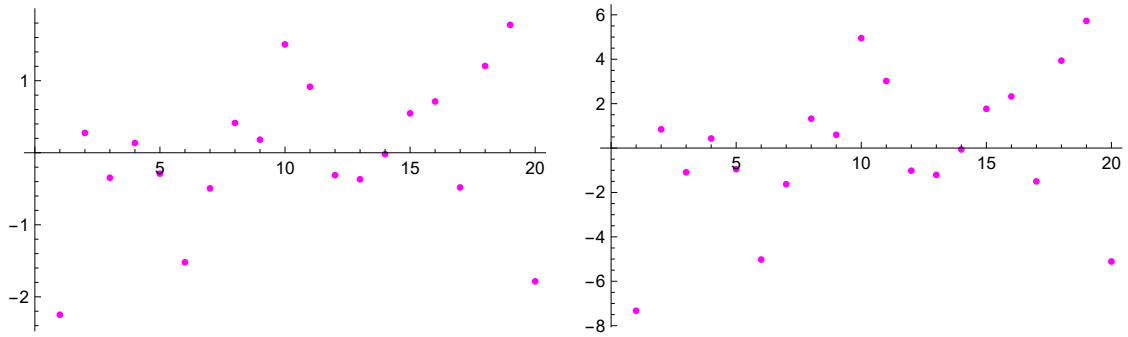
In[•]:=
```
Show[ListPlot[data], Plot[model["BestFit"], {x, 0, 30}, PlotStyle → Magenta]]
```

Out[•]=



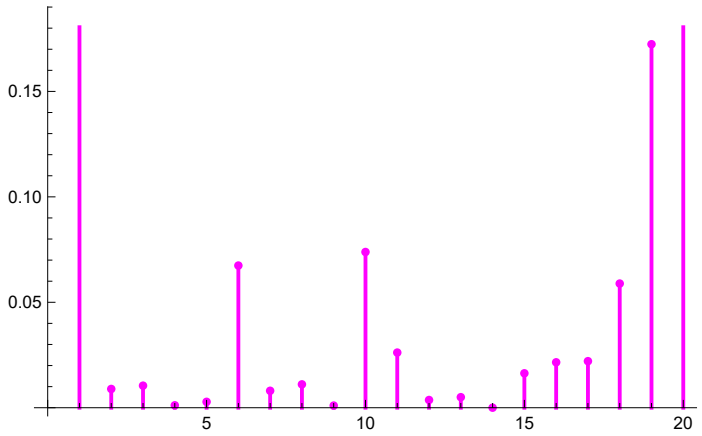
In[•]:=
```
{sr, fr} = model[{"StandardizedResiduals", "FitResiduals"}];

{{ListPlot[sr, PlotStyle → Magenta], ListPlot[fr, PlotStyle → Magenta]}} // GraphicsGrid
```

Out[•]=



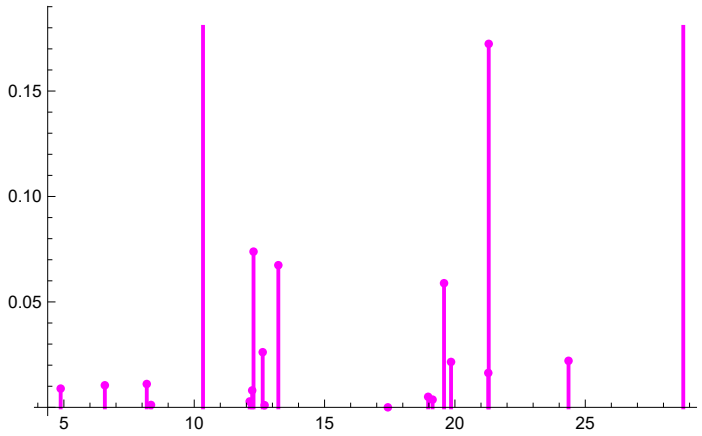
In[•]:=
```
ListPlot[model["CookDistances"],
 Filling → Axis, FillingStyle → Thick, PlotStyle → Magenta]
```

Out[•]=



```
In[•]:= ListPlot[Transpose[{data[[All, 1]], model["CookDistances"]}],
         Filling → Axis, FillingStyle → Thick, PlotStyle → Magenta]
```

Out[•]=



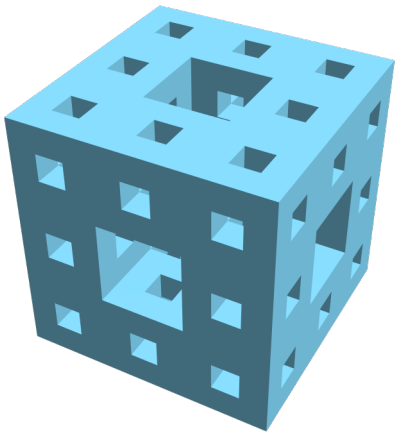

```
In[•]:= model["Properties"]
```

Out[•]=

```
{AdjustedRSquared, AIC, AICc, ANOVA, BestFitAround, BestFitDataAround, BasisFunctions,
 BetaDifferences, BestFit, BestFitParameters, BIC, CatcherMatrix, CoefficientOfVariation,
 CookDistances, CorrelationMatrix, CovarianceMatrix, CovarianceRatios, Data, Weights,
 DesignMatrix, DurbinWatsonD, Eigenstructure, EstimatedVariance, FitDifferences,
 FitResiduals, Function, TabularFunction, FVarianceRatios, HatDiagonal,
 MeanPredictions, MeanPredictionBands, ParameterEstimates, PartialSumOfSquares,
 PredictedResponse, Properties, Response, RSquared, SequentialSumOfSquares,
 SingleDeletionVariances, SinglePredictions, SinglePredictionBands,
 StandardizedResiduals, StudentizedResiduals, VarianceInflationFactors}
```

```
In[•]:= mesh = MengerMesh[2, 3]
```

Out[•]=



```
In[•]:= SurfaceArea[mesh]
```

Out[•]=

```
13.037
```

```
In[•]:= Integrate[y z, {x, y, z} ∈ mesh]
```

Out[•]=

```
0.137174
```

In[•]:=
```
RegionPlot3D[mesh, ColorFunction → Function[{x, y, z}, Hue[Norm[{x, y, z}]]]]
```

Out[•]=