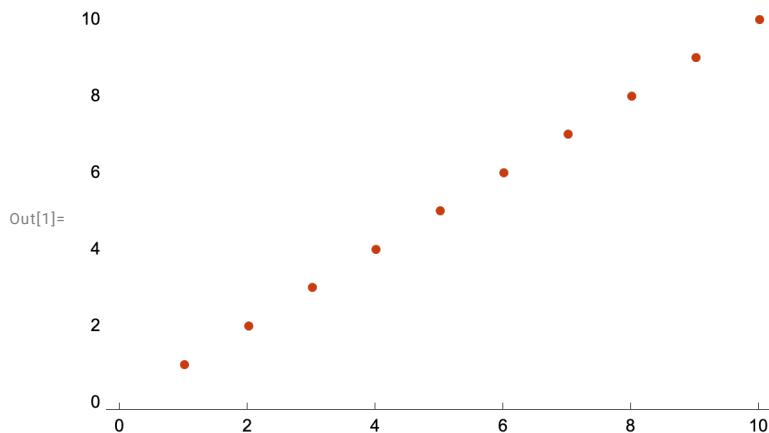
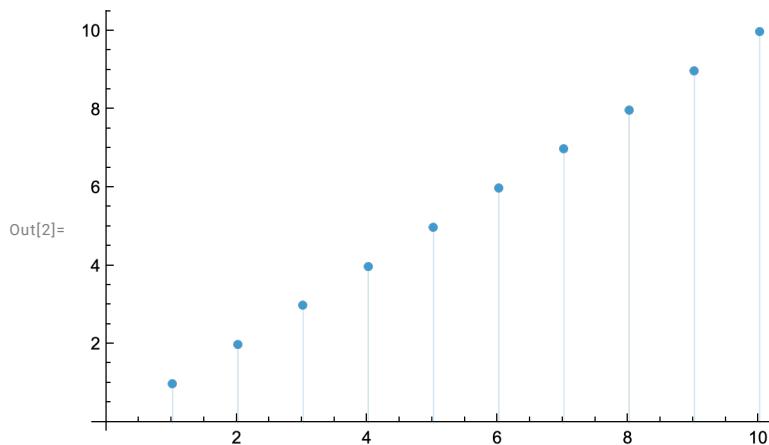


Jeremy, Looks great! 10/10
Watch out for off-by-one errors. See p. 9.

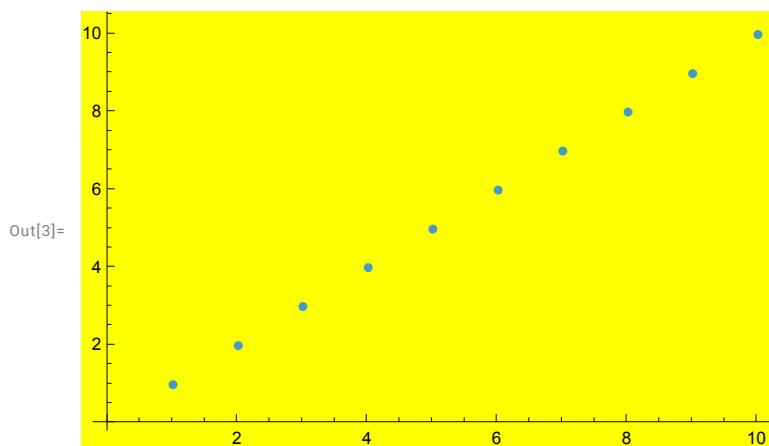
```
In[1]:= ListPlot[Range[10], PlotTheme -> "Web"]
```



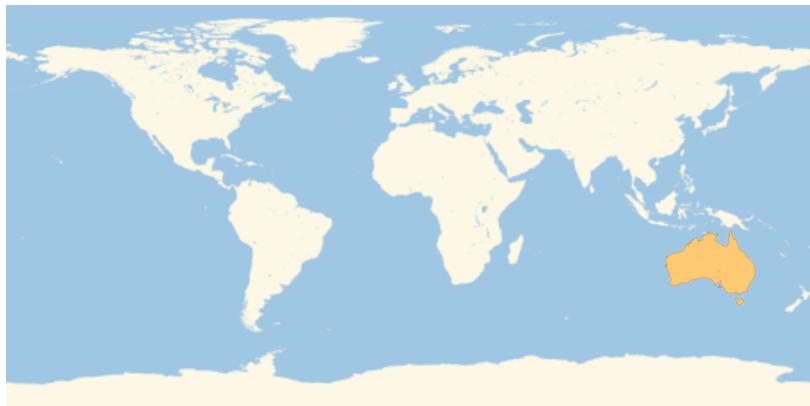
```
In[2]:= ListPlot[Range[10], Filling -> Axis]
```



```
In[3]:= ListPlot[Range[10], Background -> Yellow]
```



In[4]:= **GeoListPlot**[**Australia** COUNTRY ..., , **GeoRange** → **Earth** PLANET ...,]



Out[4]=

In[5]:= **GeoListPlot**[**Madagascar** COUNTRY ..., , **GeoRange** → **Indian Ocean** OCEAN ...,]



Out[5]=

In[6]:= `GeoGraphics[GeoRange → {"South America", "COUNTRIES", ...}, GeoBackground → "ReliefMap"]`



Out[6]=

In[7]:= `GeoListPlot[{France, "COUNTRY", ...}, {Finland, "COUNTRY", ...}, {Greece, "COUNTRY", ...}], GeoLabels → True, GeoRange → {"Europe", "GEOGRAPHIC REGION", ...}]`



Out[7]=

In[8]:= `GeoListPlot[The Ivy League UNIVERSITIES, GeoLabels → Automatic]`



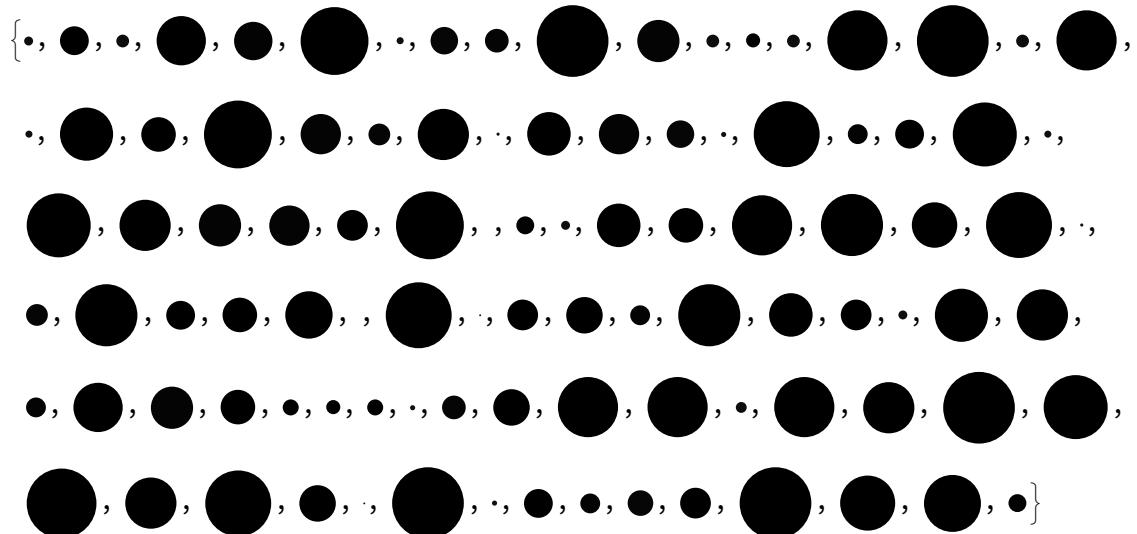
Out[8]= `Grid[Table[Style[n*m, White], {n, 12}, {m, 12}], Background → Black]`

| | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 |
| 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 |
| 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 | 77 | 84 |
| 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 |
| 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 | 99 | 108 |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 110 | 121 | 132 |
| 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |

Out[9]=

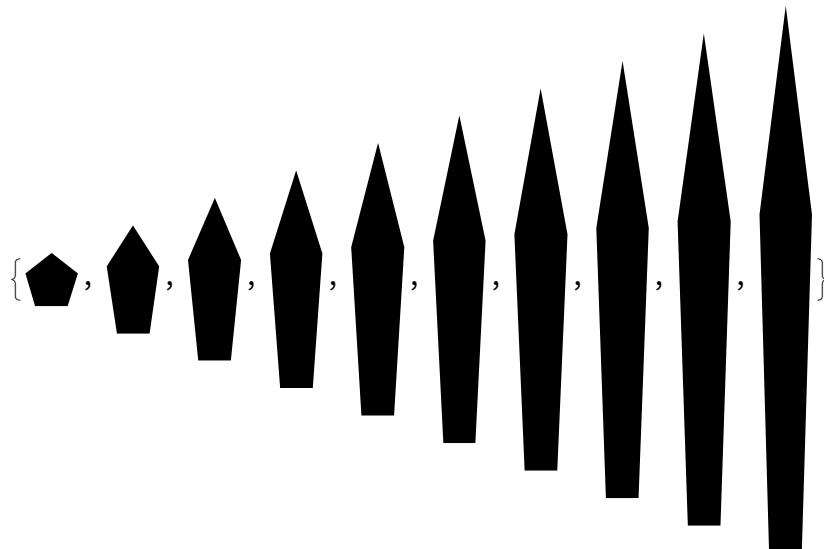
In[10]:= `Table[Graphics[Disk[], ImageSize → RandomInteger[40]], 100]`

Out[10]=



In[11]:= `Table[Graphics[RegularPolygon[5], ImageSize → 30, AspectRatio → n], {n, 10}]`

Out[11]=



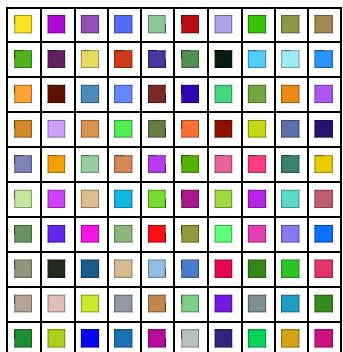
In[12]:= `Manipulate[Graphics[Circle[], ImageSize → n], {n, 5, 500}]`

Out[12]=



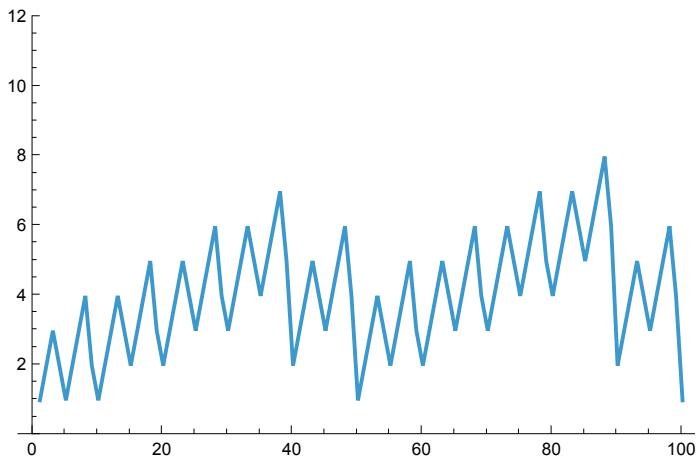
```
In[13]:= Grid[Table[RandomColor[], 10, 10], Frame -> All]
```

```
Out[13]=
```



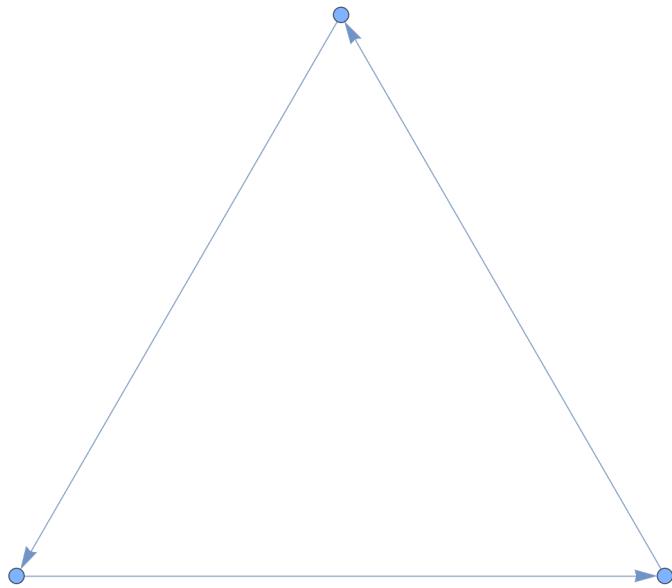
```
In[14]:= ListLinePlot[Table[StringLength[RomanNumeral[n]], {n, 100}],  
PlotRange -> Max[Table[StringLength[RomanNumeral[m]], {m, 1000}]]]
```

```
Out[14]=
```



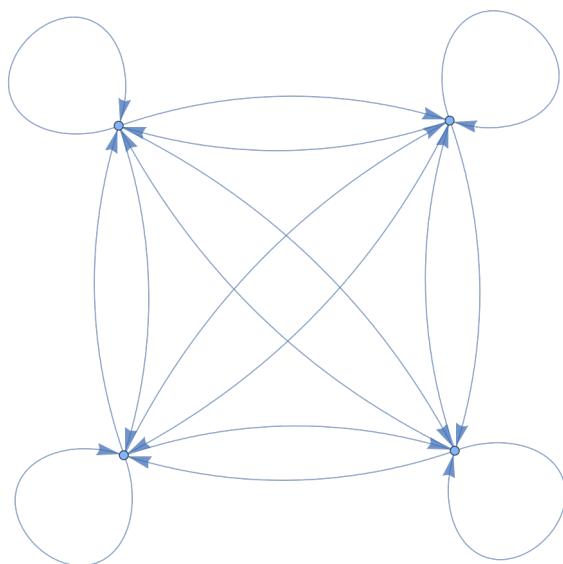
```
In[15]:= Graph[{1 → 2, 2 → 3, 3 → 1}]
```

```
Out[15]=
```



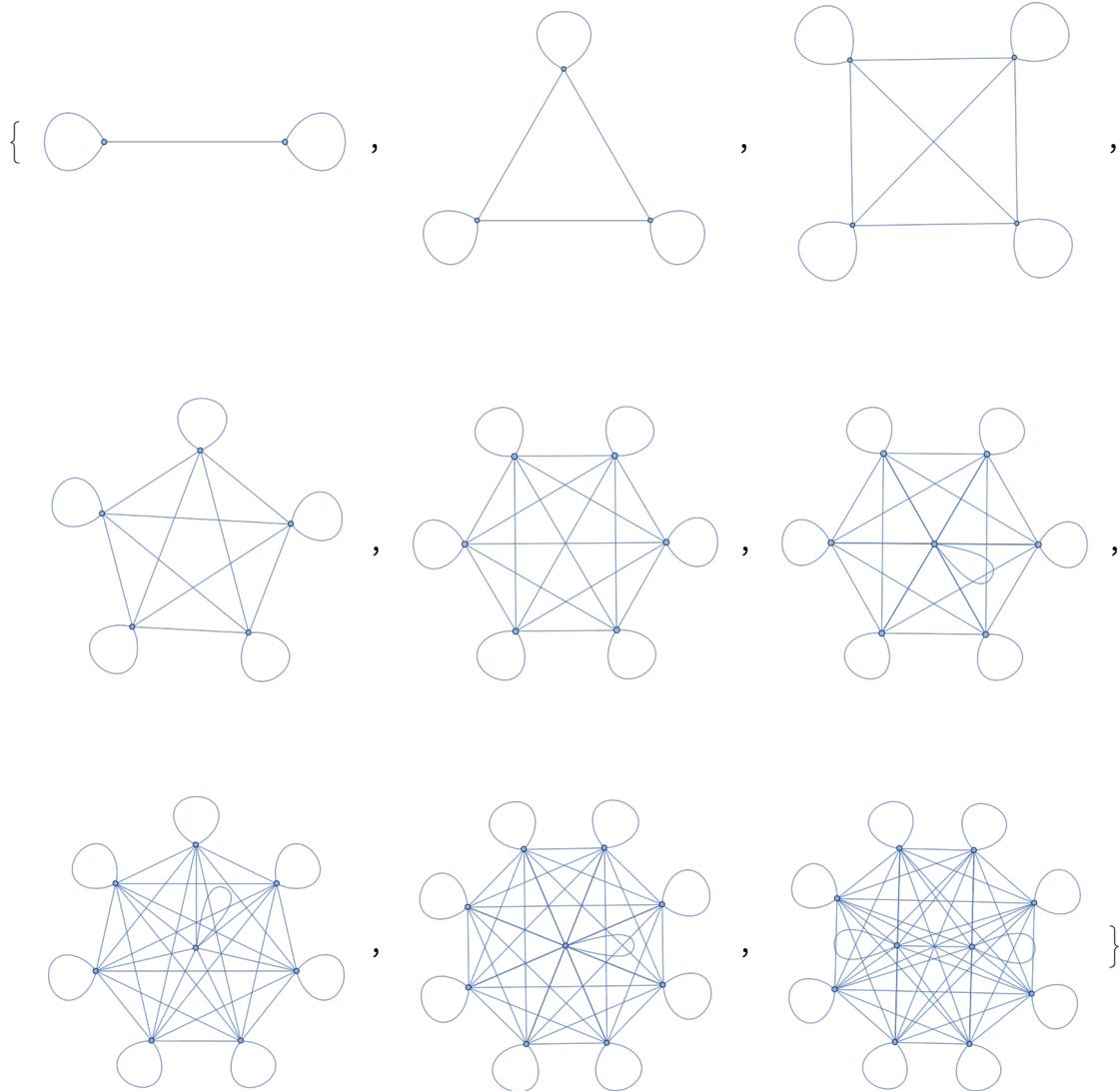
```
In[16]:= Graph[Flatten[Table[i → j, {i, 4}, {j, 4}]]]
```

```
Out[16]=
```



I had a different and simpler interpretation of this one.

```
In[17]:= Table[UndirectedGraph[Flatten[Table[i → j, {i, n}, {j, n}]]], {n, 2, 10}]  
Out[17]=
```

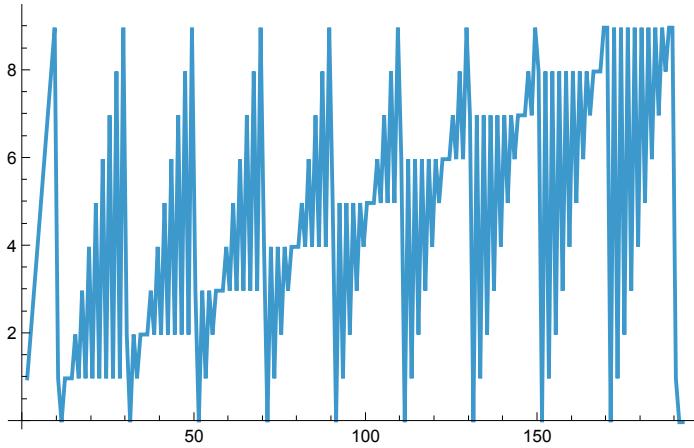


```
In[18]:= Flatten[Table[Range[2], 3]]
```

```
Out[18]=  
{1, 2, 1, 2, 1, 2}
```

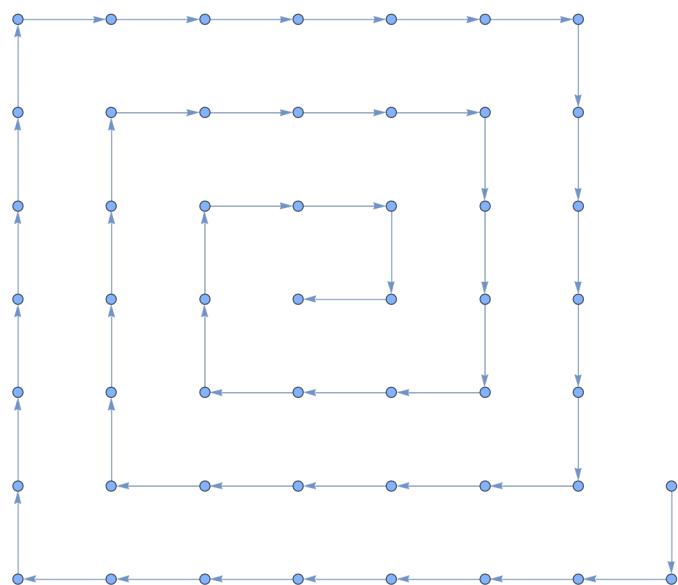
```
In[19]:= ListLinePlot[Flatten[Table[IntegerDigits[n], {n, 100}]]]
```

```
Out[19]=
```



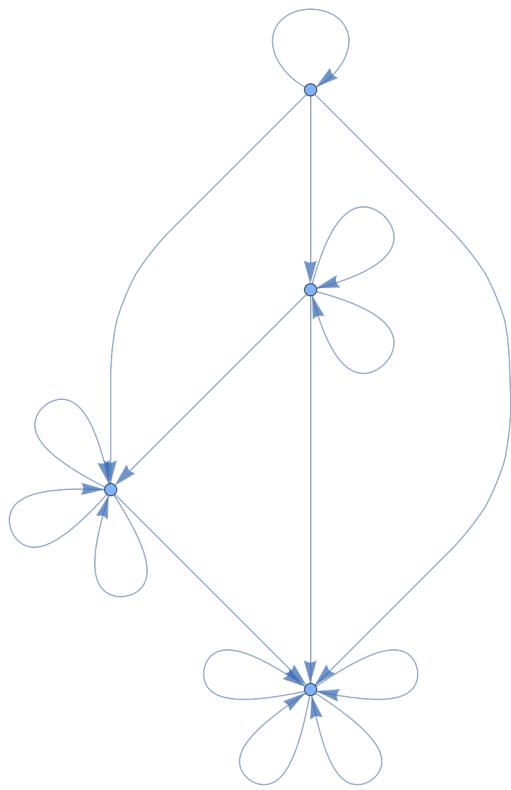
```
In[20]:= Graph[Table[i → i + 1, {i, 50}]]
```

```
Out[20]=
```

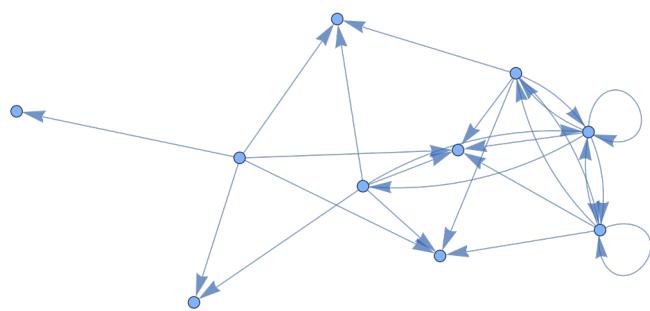


You have included a 51st node.

```
In[21]:= Graph[Flatten[Table[i \[Rule] Max[i, j], {i, 4}, {j, 4}]]]  
Out[21]=
```

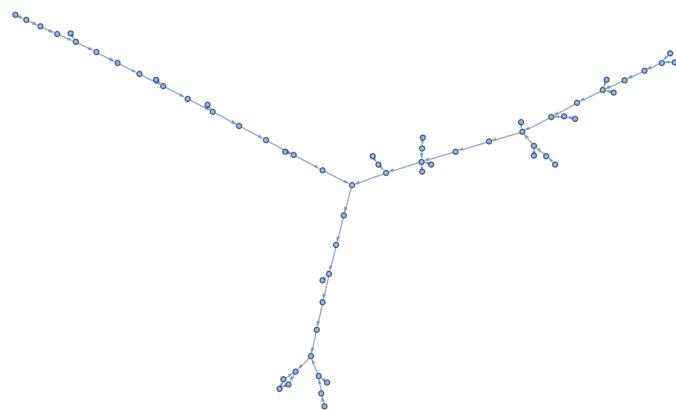


```
In[22]:= Graph[Flatten[Table[i \[Rule] j - i, {i, 5}, {j, 5}]]]  
Out[22]=
```



```
In[23]:= Graph[Flatten[Table[i → RandomInteger[{1, 100}], {i, 100}]]]
```

```
Out[23]=
```



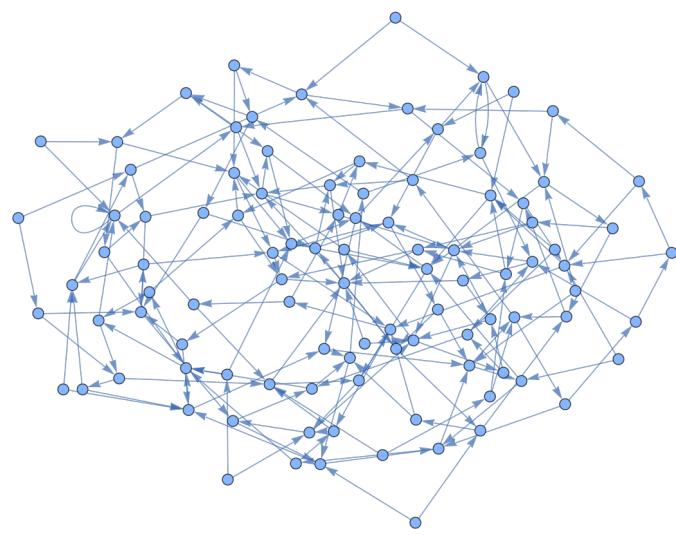
○—○—○○

○○

```
In[24]:= Graph[
```

```
Flatten[Table[{i → RandomInteger[{1, 100}], i → RandomInteger[{1, 100}]}, {i, 100}]]]
```

```
Out[24]=
```



```
In[25]:= Grid[Table[FindShortestPath[
  Graph[{1 → 2, 2 → 3, 3 → 4, 4 → 1, 3 → 1, 2 → 2}], n, m], {n, 4}, {m, 4}]]
```

```
Out[25]=
{1} {1, 2} {1, 2, 3} {1, 2, 3, 4}
{2, 3, 1} {2} {2, 3} {2, 3, 4}
{3, 1} {3, 1, 2} {3} {3, 4}
{4, 1} {4, 1, 2} {4, 1, 2, 3} {4}
```



```
In[26]:= LanguageIdentify["ajatella"]
```

```
Out[26]=
Finnish
```



```
In[27]:= ImageIdentify[]
```

```
Out[27]=
tiger
```



```
In[28]:= Table[ImageIdentify[Blur[, r]], {r, 5}]
```

```
Out[28]=
{, , , , }
```



```
In[29]:= Classify["Sentiment", "I'm so happy to be here"]
```

```
Out[29]=
Positive
```



```
In[30]:= Nearest[WordList[], "happy", 10]
```

```
Out[30]=
{happy, haply, harpy, nappy, sappy, apply, campy, choppy, guppy, hairy}
```



```
In[31]:= Nearest[Table[RandomInteger[1000], 20], 100, 3]
```

```
Out[31]=
{103, 169, 198}
```



```
In[32]:= Nearest[Table[RandomColor[], 10], Red, 5]
```

```
Out[32]=
{, , , , }
```



```
In[33]:= Nearest[Table[n^2, {n, 100}], 2000]
```

```
Out[33]=
{2025}
```

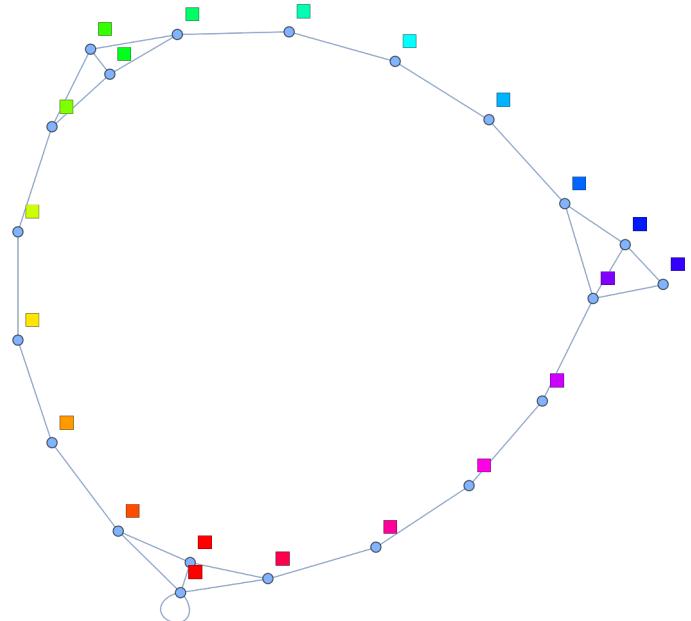
In[34]:= **Nearest** [Europe COUNTRIES [flag] ..., Brazil COUNTRY [flag] , 3]

Out[34]=



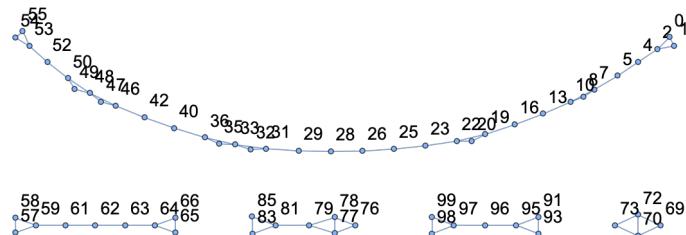
In[35]:= **NearestNeighborGraph** [Table[Hue[h], {h, 0, 1, .05}], 2, VertexLabels → All]

Out[35]=



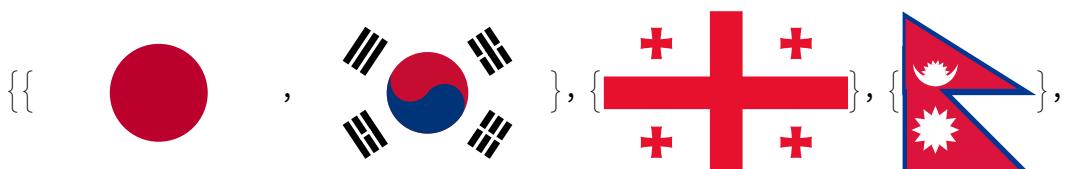
In[36]:= **NearestNeighborGraph** [Table[RandomInteger[100], 100], 2, VertexLabels → All]

Out[36]=



In[37]:= **FindClusters** [Asia COUNTRIES [flag]]

Out[37]=

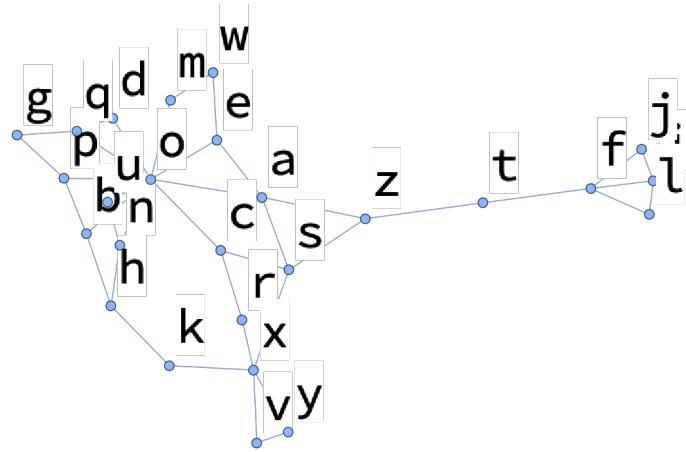






```
In[38]:= NearestNeighborGraph[
  Table[Rasterize[Style[FromLetterNumber[n], 20]], {n, 1, 26}], 2, VertexLabels -> All]
```

Out[38]=



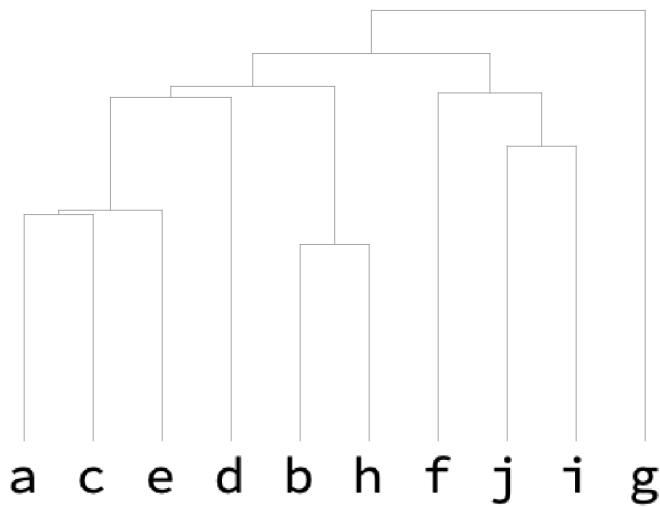
In[39]:= Table[TextRecognize[EdgeDetect[Rasterize[Style["programming", n]]]], {n, 10, 20}]

Out[39]=

{orogramming, programming, programming, programming, programming,
programming, programming, programming, programming, programming, programming}

In[40]:= Dendrogram[Table[Rasterize[FromLetterNumber[n]], {n, 10}]]

Out[40]=



```
In[41]:= FeatureSpacePlot[Table[Rasterize[ToUpperCase[FromLetterNumber[n]]], {n, 26}]]  
Out[41]=
```

