In[74]:=
```
a := {{1, 6}, {2, 5}, {3, 7}, {4, 10}};
```

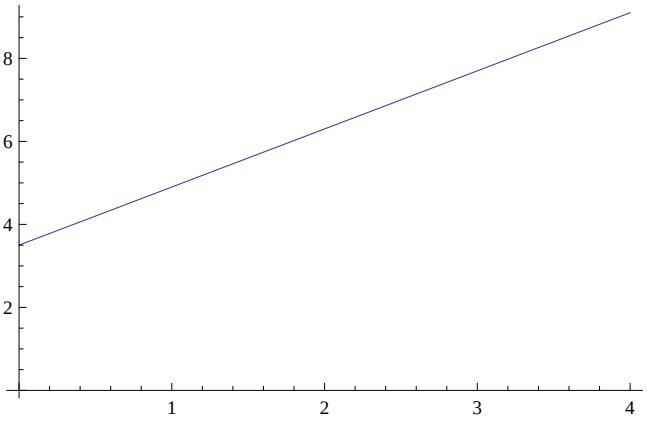
In[118]:=
```
getSomeX[list_, property_] := Module[{X, i},
  X = list[[1]][[1]];
  i = 1;
  While[i ≤ Length[list],
   X = property[X, list[[i]][[1]] ];
   i++;
  ];
  Return[X];
 ];
```

In[67]:=
```
LinearLeastSquares[values_] := Module[{i, m},
  i = 1;
  m = Length[values];

  sumX = Sum[point[[1]], {point, values}];
  sumY = Sum[point[[2]], {point, values}];
  sumXY = Sum[point[[1]] * point[[2]], {point, values}];
  sumXX = Sum[point[[1]] * point[[1]], {point, values}];

  a0 = (sumXX * sumY - sumXY * sumX) / (m * sumXX - (sumX) ^ 2);
  a1 = (m * sumXY - sumX * sumY) / (m * sumXX - (sumX) ^ 2);

  e2 = Sum[(point[[2]] - (a1 * point[[1]] + a0)) ^ 2, {point, values}];

  Return[{N[a0] , N[a1], N[e2]}];
 ]
```

In[136]:=
```
result = LinearLeastSquares[a];
f[x_] := result[[2]] * x + result[[1]] ;
```

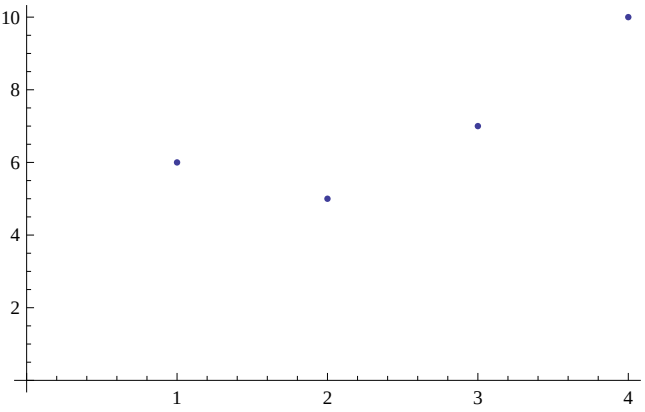
In[138]:=
```
functionPlot = Plot[f[x], {x, 0, getSomeX[a, Max]}, AxesOrigin → {0, 0}]
```

Out[138]=



In[139]:=
```
pointsPlot = ListPlot[a, AxesOrigin → {0, 0}]
```

Out[139]=



In[140]:=
```
Show[functionPlot, pointsPlot]
```

Out[140]=