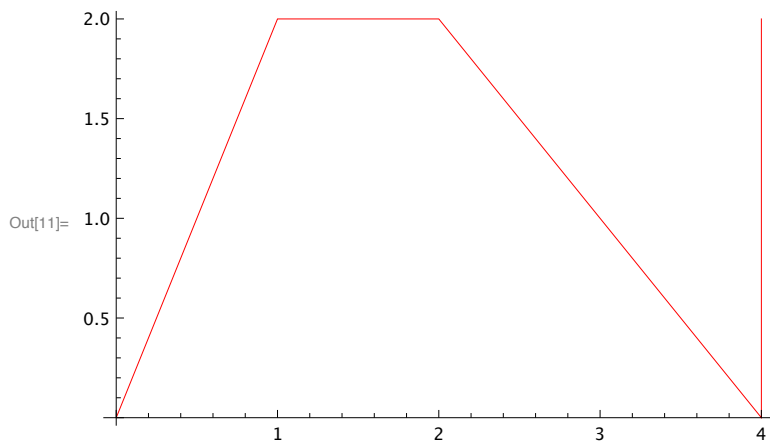


```
In[1]:= P[0, 0] = {0, 0};
        P[0, 1] = {1, 2};
        P[0, 2] = {2, 2};
        P[0, 3] = {4, 0};
        P[0, 4] = {4, 2};
```

```
In[6]:= n = 4;
```

```
In[7]:= For[r = 1, r ≤ n, r++,
          For[s = 0, s ≤ n - r, s++,
              P[r, s] = (1 - a) * P[r - 1, s] + a * P[r - 1, s + 1]]]
```

```
In[11]:= Polig = ListLinePlot[Table[P[0, s], {s, 0, n}], PlotStyle → Red]
```

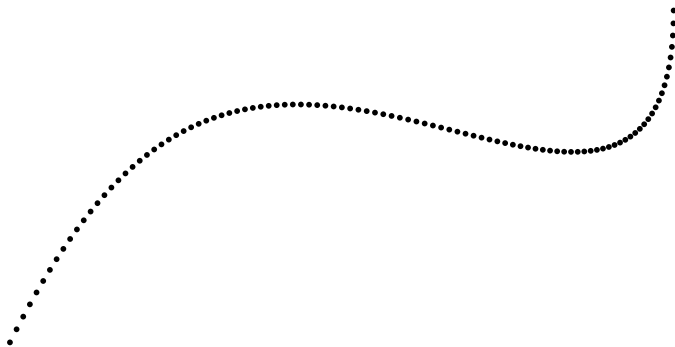


```
In[14]:= Simplify[P[n, 0]]
```

Out[14]= $\{4 a (1 + a^2 - a^3), 2 a (4 - 6 a + 3 a^3)\}$

```
In[10]:= CurbaDECAS = Graphics[Point[Table[P[n, 0] /. a → u, {u, 0, 1, 0.01}]]]
```

Out[10]=



In[12]:= **Show[Polig, CurbaDECAS]**

