```
Invest[n0_, g0_] :=
 Module [{n = n0, g = 36 / g0 - 1, p = 0, t = 0},
   For [tn = 0, tn < n, tn++,
    p += (1 - g0 / 37) ^(tn) * g0 / 37;
    (*Print[(t+G)/g//N];*)
    t += (t + 1) / g];
   {t,p}
 ]
InvestTable [g0_, max0_] := Module [\{max = max0, g = g0, T = \{\}, U = \{\}, i = 1\},
  \label{eq:while_invest_ing} While_{\tt [Invest[i,g][[1]] < max, AppendTo[U, Invest[i,g]]; i++];}
  U // N
 ]
Invest[100, 1] // N
{15.7281, 0.935423}
ListPlot[Table[InvestTable[k, 300], \{k, 1, 24, 1\}], PlotRange \rightarrow \{0.99, 0.999\}]
0.998
                                       The State States Sin States and States
0.996
0.994
0.992
              50
                        100
                                  150
                                             200
                                                       250
                                                                 300
0.998
0.996
0.994
0.992
              50
                        100
                                  150
                                             200
                                                       250
                                                                 300
```