```
d = 10; n = 10; nu = 50000; ListPlot[{Table[{i / n, Exp[-i / n] * nu / n}, {i, 0, d n}],
  \label{eq:tally floor [-Log[1-RandomReal[{0,1},nu]]*n]/n]}, \ PlotRange \rightarrow All]
5000
4000
3000
2000
1000
                                                   8
Integrate [Exp[-i/n], \{i, g, g+1\}]
10 \left(-1 + e^{1/10}\right) e^{\frac{1}{10}(-1-g)}
a = 1.01; n = 10; nu = 30000; U = {}; k = 0; j = 0; G = {}; l = 0; K = 0;
For [i = 1, i < nu + 1, i++,
  k += -Log[1 - RandomReal[]];
  If [k > n,
    AppendTo[U, i - j];
   1 += i - j - a * n;
    If [1 < 0, 1 = 0];
    AppendTo [G, 1]; j = i; k -= n; K += n;];
 ];
Sum[U[[i]], \{i, Length[U]\}] / (K + k)
ListPlot[{G, -U}, Joined → True]
1.0011
100
 50
```

υ

```
{{10.5679}, {10.1759}, {11.1134}, {10.7609}, 
{10.5567}, {10.8535}, {12.6308}, {10.0643}, {11.2366}, {10.7492}}
```