

```
In[5]= Clear[Reps, M0, Succes, i, i]; {Reps, M0} = {1000, 100};  
For[i = 1; Succes = 0, i ≤ Reps, i++, M = M0; While[0 < M && M < 200,  
  If[Random[UniformDistribution[{0, 1}]] ≤ 1 / 5, M = M + 4, M = M - 1]];  
  If[M ≥ 200, Succes = Succes + 1]]; N[Succes / Reps]
```

Out[5]= 0.493