Simulate Moving from State 1 to State 4
(Determine the mean number of transitions to reach state 4 from state 1)

trial	beginning state	random number	next state	trial	beginning state	random number	next state	simulation number	steps to state 4
0	1	0.931438		51		0.74273		1	
1		0.112639		52		0.15622		2	
2		0.06343		53		0.316054		3	
3		0.399348		54		0.976202		4	
4		0.256988		55		0.683929		5	
5		0.560421		56		0.611986		6	
6		0.558905		57		0.839396		7	
7		0.090646		58		0.361791		8	
8		0.058918		59		0.662809		9	
9		0.469217		60		0.017148		10	
10		0.956036		61		0.076926		11	
11		0.752357		62		0.014394		12	
12		0.522112		63		0.877846		13	
13		0.284958		64		0.412325		14	
14		0.966666		65		0.501998			
15		0.152655		66		0.51763			
16		0.998211		67		0.352614			
17		0.859758		68		0.724925			
18		0.768812		69		0.927056			
19		0.034506		70		0.7597			
20		0.819426		71		0.595437			
21		0.600264		72		0.147522			
22		0.114704		73		0.655067			
23		0.222248		74		0.447716			
24		0.538915		75		0.168009			
25		0.921568		76		0.090627			
26		0.426188		77		0.915243			
27		0.132259		78		0.808159			
28		0.46306		79		0.289987			
29		0.430002		80		0.403754			
30		0.053898		81		0.311829			
31		0.043622		82		0.16695			
32		0.565564		83		0.756003			
33		0.083256		84		0.281723			
34		0.020186		85		0.219673			
35		0.380816		86		0.615599			
36		0.443272		87		0.513226			
37		0.398856		88		0.148244			
38		0.401346		89		0.93999			
39		0.783866		90		0.086697			
40		0.814248		91		0.974793			
41		0.548469		92		0.556691			
42		0.36828		93		0.545864			
43		0.214096		94		0.367869			
44		0.340364		95		0.896235			
45		0.630375		96		0.057879			
46		0.560396		97		0.029035			
47		0.507886		98		0.238963			
48		0.654084		99		0.714334			
49		0.956756		100		0.574846			
50		0.974694		101		0.490507			

mean # steps to
state 4 is