

Randomness

April 4, 2014

1. Comment the following statements.

In a random selection of numbers, since all numbers eventually appear, those that have not come up yet are 'due', and thus more likely to come up soon.

In a random sequence of numbers, a number may be said to be cursed because it has come up less often in the past, and so it is thought that it will occur less often in the future. A number may be assumed to be blessed because it has occurred more often than others in the past, and so it is thought likely to come up more often in the future.

Events of very small probability never appear.

2. Enumerate and discuss various "symptoms" of randomness.
3. Do you think that there may be any relation between randomness and unprovability?