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Part 1.

1. What year did Srinivasa Ramanujan go from India to England?

In 1914.

2. What is Kevin Bacon number of Dr. Z. ?

3.

Part II.

1. $x = 3 + \dfrac{1}{x}$

$x^2 - 3x - 1 = 0$

$\dfrac{3 \pm \sqrt{(-3)^2 - 4(-1)}}{2} = \dfrac{3 \pm \sqrt{13}}{2}$,

Since $x > 3$, then the infinite continued-fraction is $\dfrac{3 + \sqrt{13}}{2}$.