9

A=1/2 B=1/3 C=1/6

mod 3

ABCBABBAACBA = 12 total chors possible length 1,2,3

1: A B C B A B B A A C B A A = 5 B = 5 C = 2 A = 5/12 B = 5/12 C = 2/12 = 7 not the somes os 1/2, 1/3, 1/6

2: ABCBABBAACBA

2-1: A C A B A B 2-2: B B B A C A

2-1: $A = \frac{3}{6} = \frac{1}{2}$ $B = \frac{2}{6} = \frac{1}{3}$ $C = \frac{1}{6}$ 2-2: $B = \frac{3}{6} = \frac{1}{2}$ $A = \frac{2}{6} = \frac{1}{3}$ $C = \frac{1}{6}$ =7 Some 65 $A = \frac{1}{2}$ $B = \frac{1}{3}$ $C = \frac{1}{6}$

Correct length of Rey = 2 Key old numbers: A=A

B=B

C=C

Even numbers: A=B
B=A
C=C

3. ABC BABBAACBA

3-1: A B B B A = 1/4 B = 3/6, 3-2: B A A B A = 2/4 = 1/2 B = 2/4 = 1/2 3-3: C B A A C = 1/4 B = 1/4 A = 1/2 =7 Don 4 Maka