8 5

00 { 11

x y

x % (x - y)

x x+d

value x divisible by d

gcd(x, x+d) = gcd(x, d)

x y

3 5

2 4 4 6

12

4 7

3 6 6 9

x skips

x=3 / c

in prob.

p → game over

$p \le v \Rightarrow p := 0$

$p > v \Rightarrow p := p - v$

rest distributed

max 9999 10.000.000

(p1, p2, p3)

0.1235

0.0001 10.02

full + partial

(a+b) mod k

pass ∈ [0, n-1]

pass: x guess: y ⇒ new pass

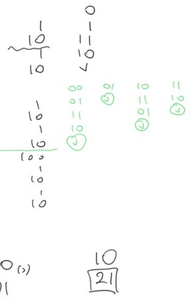
$x \oplus_k z = y$

10
⊕k
11
01
100
101 ⇐ pass := pass ⊕k guess

1011
0001
1010

11
10
01
100
101

1011



10 (2)
01
11 (3)

10
21
01

10
x y
01

x=2
y=1

10
21

2 3 ⇒ 7 14