**Prisoners and candies - subtitles:**

**\*\*dialogue starts at second 55 not 27 because of the intro clip. I adjusted the times accordingly. -John Argentino**

1

00:00:00,000 --> 00:00:55,000

[Music]

2

00:00:55,000 --> 00:00:58,000

four bright mathematicians are taken into

3

00:00:58,000 --> 00:01:00,000

custody and put in jail because they tried

4

00:01:00,000 --> 00:01:02,000

to convince an old lady that the Goedel's

5

00:01:02,000 --> 00:01:05,000

incompleteness theorems are true. Every

6

00:01:05,000 --> 00:01:08,000

mathematician has his own cell that we

7

00:01:08,000 --> 00:01:12,000

can enumerate with a number from 1 to 4.

8

00:01:12,000 --> 00:01:15,000

before entering the cell a certain

9

00:01:15,000 --> 00:01:17,000

number of candies greater than *(errata corrige: OR EQUAL TO)* 1 is

10

00:01:17,000 --> 00:01:20,000

given to every mathematician and they

11

00:01:20,000 --> 00:01:22,000

are told they have 11 candies in total.

12

00:01:22,000 --> 00:01:25,000

but everyone knows only his number of

13

00:01:25,000 --> 00:01:27,000

candies and the total. 1 and is not

14

00:01:27,000 --> 00:01:30,000

allowed to ask for the others number.

15

00:01:30,000 --> 00:01:33,000

then the first mathematician asks the

16

00:01:33,000 --> 00:01:36,000

second: 'number 2 do you know if you

17

00:01:36,000 --> 00:01:39,000

have more candies than me?' the second

18

00:01:39,000 --> 00:01:42,000

mathematician answers he doesn't. Then he

19

00:01:42,000 --> 00:01:45,000

asks to number 3: 'do you know if you have

20

00:01:45,000 --> 00:01:47,000

more candy than me?'

21

00:01:47,000 --> 00:01:50,000

the third mathematician answers: 'no I'm

22

00:01:50,000 --> 00:01:53,000

sorry I don't'. At this point the fourth

23

00:01:53,000 --> 00:01:55,000

mathematician says: 'hey guys you know

24

00:01:55,000 --> 00:01:58,000

what, I know exactly how many candies

25

00:01:58,000 --> 00:02:01,000

everyone has here'. Surprisingly even the

26

00:02:01,000 --> 00:02:03,000

other three mathematicians say that now

27

00:02:03,000 --> 00:02:06,000

they know how many candies everyone has

28

00:02:06,000 --> 00:02:09,000

so the question is: can you figure out

29

00:02:09,000 --> 00:02:12,000

the number of candies every prisoner has

30

00:02:12,000 --> 00:02:15,000

[Music]