

Forum:[Hack Forums](#)

Thread: [Look & Say Number Sequence!](#)

TheDubWubCub - August 8, 2014, 9:36 pm

Hey HF! ?

Saw this numberphile video and thought it was intreseting, so I just wanted to share it with you guys. ?

(Try to figure out the sequence before you watch the video, just to see if you can get it. ?)

Sequence:

1
11
21
1211
111221
312211

What's next? ?

[Video: <http://youtu.be/ea7lJkEhytA>]

That's it, nothing too special.. just thought it was interesting. ?

If you liked this type of thread, check out these other ones! ?

Spoiler ([Click to View](#))

[Number Puzzle Made By 4 Year Old!](#)

[My #6 Crypto Contest!](#)

Have a good day! ?

crazyycast13 - August 8, 2014, 9:52 pm

Wait lemme do some math.

Are you doing something like a couple 1s go together and it gets shifted up 1?

STILL WORKING ON THIS GIMME A SEC

RULES: concatenate any 1's together, not the other numbers

concatenating only happens in the first step, not the later steps

After concatenating, put a 1 on the right side, and a 1 always goes on the outside

Also, after a new number is introduced ex: 2 or 3 for the first time, a 1 has to go in front of it
maybe a 1 always goes on the left side of every number?

If you concatenate the 1 goes on the right side, otherwise it goes on left side

1
1<-1
11

(11)<-1

21

First rule comes here:

121

121<-1

1211

Now you start again. You have to concatenate first though.

1211

12(11)

122

There are two 2's therefore the two 1s before the two 2s

11122

11122<-1

111221

First you concatenate

111221

(111)221

I SOLVED IT CORRECTLY ISH AFTER SO MANY TRIES

1

11

11

(11)

21

21

21

1211

1211

1211

1112(11)

111221

111221

this is where it gets weird

NEW RULE if two numbers(over 1)are together that are the same ie 22 they stay together without adding new numbers

111221

(111)221

312211

312211

Balls to the walls time

312211

3122(11)

13112221

13112221

(Aug 8, 2014 09:52 PM)crazyycast13 Wrote: [\[CITE\]](#) Wait lemme do some math.
Are you doing something like a couple 1s go together and it gets shifted up 1?
STILL WORKING ON THIS GIMME A SEC

Okay I get the first three moves

1

1<-1

11

(11)<-1

21

So maybe a rule is that a one is added on the left side of a two?

121

121<-1

1211

Then you could add another 1 on the end and smash the 1's together, getting 2 1's on the left

1211

12(11)

122

11122

11122<-1

111221

and I get that

111_221

(111)12211

Think simpler & it helps to read each number aloud. :]

crazyycast13 - August 8, 2014, 10:35 pm

(Aug 8, 2014 09:55 PM)TheDubWubCub Wrote: [\[CITE\]](#) Think simpler & it helps to read each number aloud. :]

"Think simpler"

Well that helps a lot.

I think I figured something out though. Every number other than 1 has to be followed by a 1, unless there is a number in front of it. Also, while 1s can carry over, they do not always

TheDubWubCub - August 9, 2014, 10:10 am

(Aug 8, 2014 09:52 PM)crazyycast13 Wrote: [\[CITE\]](#)

I SOLVED IT CORRECTLY ISH AFTER SO MANY TRIES

1

11

11

(11)

21

21

21

1211

1211

1211

1112(11)

111221

111221

this is where it gets weird

NEW RULE if two numbers(over 1)are together that are the same ie 22 they stay together without adding new numbers

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Balls to the walls time

312211

3122(11)

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13112221

(Aug 8, 2014 10:35 PM)crazyycast13 Wrote: [\[CITE\]](#) "Think simpler"

Well that helps a lot.

I think I figured something out though. Every number other than 1 has to be followed by a 1, unless there is a number in front of it. Also, while 1s can carry over, they do not always

Glad I could be much of help ?

haha yep, seems that you got it. Just watch the video to check it. ?

(*cough* Now you should try my challenge #6 cough ?)