

EMBER 2019

Each radio reorders the left-hand inputs according to a specific rule. By comparing how it transforms the top input, you can reconstruct the bottom input.

PPEE YAPPY

NAKATOMI PLAZA - FLOOR 42

Mr. McClane has been particularly chatty on the HANS:

radio. It appears he is using some sort of code. What

is it he's always saying ...

Yippee ki yay? THEO:

HANS: That's it. He is a bit of a... well, you know.

Each radio encodes its input. If you study the output, perhaps you can help Hans and Theo reconstruct the original message.

YIPPEEKIYAY



YIKEEPPIY

Reconstructing the input gives a set of instructions.

Reverse the output

 \underline{C} \underline{H} \underline{A} \underline{N} \underline{G} $\underline{E}/\underline{I}$ \underline{N} \underline{P} \underline{U} \underline{T}

First, convert the top inputs to base three:

Shift the vowels back (ex. E -> A, I Y A Y K I Y I P P E E 🦝



012, 210, 022, 010, 210, 100

= EUHCUI

-> E, O -> I, etc.)

 \underline{T} $\underline{O/B}$ \underline{A} \underline{S} $\underline{E/T}$ \underline{H} \underline{R} \underline{E} \underline{E}

UBE

Then shift back six positions in the alphabet:

Vowels have been moved to the end (but stay in order). YIPPEEYAYYAY



= YOBWOC

= COWBOY

Finally reverse the word

Take the first letter of the output, then the last, then the second letter, then second-last, etc.

YIPPEEKIYIPPEE



EKYPEEPIIEPI

EULOETCENSAOI

Shift every second letter forward 1





SHIFT/BACK/SIX

Swap every pair of letters

KIYIPPEEYIPPEE



REVERSE/THE/WORD REVSRTEEHOWDR