

Compression Code Puzzle 4: Rules, Rules, Rules

"Compression algorithms" replace messages with ones that take up less space to store. One simple way is to replace words, or groups of words by numbers. Then use the same number for the same word or group each time it appears.

Can you recover the English version of this variation of a famous set of rules from this compressed version? Repeatedly replace the numbers by what they stand for from the codebook. For example, the number 1 is replaced by ALL, the number 13 is replaced by the numbers 11 12 which themselves can be replaced by other things using the code book.

The compressed version:

10 35 20 15 37 22 31 14 2 37 32 5 32 12
28 35 21 29 23 11 16 4 37 36 23 6 38
30 35 25 17 24 9 36 26 7 38 22 28 18

Codebook:

1	-	A	20	-	NOT
2	-	ALLOW	21	-	OBEY
3	-	BEING	22	-	OR
4	-	BY	23	-	ORDERS
5	-	COME	24	-	OWN
6	-	CONFLICT	25	-	PROTECT
7	-	CONFLICTS	26	-	PROTECTION
8	-	EXCEPT	27	-	ROBOT
9	-	EXISTENCE	28	-	SECOND
10	-	FIRST	29	-	THE
11	-	GIVEN	30	-	THIRD
12	-	HARM	31	-	THROUGH
13	-	HUMAN	32	-	TO
14	-	INACTION	33	-	WHERE
15	-	INJURE	34	-	WITH
16	-	IT	35	-	18 1 27 19
17	-	ITS	36	-	8 33 29
18	-	LAW	37	-	1 13 3
19	-	MUST	38	-	34 29 10 18