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<u>PA2 Checkpoint</u>

ENCODED checkpoint1.txt:
00011011000110110001101100011011000110110001101100011011000110110001101
11

HCTree checkpoint1.txt:

As per the manually written tree, 'a' translates to 00, 'b' translates to 01, and so on. Therefore, the encoded stream reads abcdabcdabcdabcd… for ten repetitions, which is what the both the decompression result and the original show.

ENCODED checkpoint2.txt:
00000000100100100101010101010101010101111111111111111111111111111111111110101010101010101
01010010010010001000000

HCTree checkpoint2.txt

'a' translates to 000, 'b' translates to 001, 'c' translates to 01, and 'd' translates to 1. So, the encoded stream translates to
aabbbbccccccccddddddddddddddddddddddddddddddddddccccccccbbbbaa, which is what the both the decompression result and the original show.