Bit Palindrome — Symmetricity

A sequence of bits is formed a bit palindrome if reading from left to right and from right to left have the same pattern. For example, 0010110100 and 1000000001 are 10-bit palindromes, while 0000100001 and 0000000001 are not. A neural network can serve as a bit-palindrome recognizer. The following figure shows a neural network structure for a 10-bit palindrome recognizer. Please determine all it weights and biases to make it workable.