

### **Exercício PCM30 - alinhamento**

7) Dada a seqüência de bits recebida por um demultiplexador TDM/PCM30(E1), sendo a ordem de chegada dos bits de cima para baixo e da esquerda para a direita. Utilize a estrutura do quadro e o procedimento de alinhamento do quadro.

- a) Faça o procedimento de alinhamento de quadro, e depois de alinhado verifique se o sistema permanece alinhado.
- b) Encontre e marque o início de cada quadro enquanto estiver alinhado.
- c) Encontre e decodifique as seqüências de bits referentes ao **CANAL DE VOZ 5** para  $A_{máx}=1,0V$ .

1 1011010110100010011011110100101101101001101010110011100110010110  
2 0010011100110110010100110110110111101001101010111011100110011000  
3 0010011100100011011010110101001101101001101010101011100000010111  
4 0110010110100010010111110101010101101001101110010010100110001011  
5 1010010100100010010110100101010010001101101001011011100110011010  
6 1010010110101010010110110100110101101001101010101010100110011010  
7 0010011010111010010110100111100101101001101111011010100000011101  
8 1010011110100010010110110101101101101101101010101010100110010110  
9 1010001010111010010111110111001010001001101011010010100110010101  
10 0010011010101010011110110011011101101001101010110010100110011011  
11 1010011110110011011110110100100101101101101010011011000000001010  
12 1110010100100010010110110010100101101001101101010011000110010100  
13 0010011000100010010111010011000101001001101011111010100110011011  
14 1010001010100010010110110110010101101001101011010010100110010110  
15 1010010010100010010110110011000101101001101110011010000000010101  
16 1010011010100100000010110101001101101101101010101010100110010110  
17 1010001010100010010110110111000000001001101011101011100110010111  
18 1010011001100010010110110010110101101001101011010010110110011010  
19 1010001110100011011110110101100101101101101010111000000000110110  
20 0110010111101000000010110101001101101001101100101010100110011011  
21 0010011000100010011110110010000101001001101011101011100110010111  
22 1010010110100110010110110101100101101001101010011011100110011010  
23 1010011010101010010110110110101101101001101111010011000000101101  
24 1010011100110000000010110011010101101001101011010011000110010011  
25 1010001010101010010110110100001010001001101011101001100110010011  
26 0010011100111010010110110111101101101001101011100011110110011001  
27 0010011010110011011010110101100101101101101011010010100000110111  
28 1010011010100000000110110010101101101110101000111011001110011001  
29 1010011010101010010110110010010010001001101011010011100110011010  
30 1010010101101110010110110011010101101001101011001010100110011011  
31 1011010100111010010110110111000101101001101101110011100000111110  
32 1010010110111000000110110110100101101001101001010011100110010101