LEGEND	ABOUT
N	NUMBER OF TRANSITIONS
ST	STATE
S	COSET
'X'	'0' OR '1'
T	TRANSITION
C	CODE
M	METRIC
D	METRIC BETWEEN DATA CENTROID
CT.ST	CODE TRANSITION[T].STATE[ST]
MT.ST	METRIC TRANSITION[T].STATE[ST]
DT.S	METRIC DATA_TRANSITION[T].COSET[S]
CT.ST & 'X'	CODE TRANSITION[T].STATE[ST] CONCATENATE CODE[X]
MT.ST + DT.S	METRIC TRANSITION[T].STATE[ST] + METRIC DATA_TRANSITION[T].COSET[S]

DISTRIBUTED_SOURCE_CODING_USING_SYNDROMES
AUTHOR: BLANCO CAAMANO, Ramon
ABOUT: VITERBI_ALGORITHM_LOOKUP_TABLE_V_0_1

METRIC:

$$DT.S = min[(X_T - S_S)^2]$$

$$DT.S = min[(X_T - D_S)^{2,}(X_T - D_{S+4})^2]$$

STATE	T1		T2		T3		TT		T_N	
	C1	M1	C2	M2	C3	M3	CT	MT	CN	MN
0	0	D1.0	C1.0&'0'	M1.0+D2.0	C2.0&'0'	M2.0+D3.0	CT-1.0&'0'	MT-1.0+DT.0	CN-1.0&'0'	MN-1.0+DN.0
					C2.2&'0'	M2.2+D3.2	CT-1.2&'0'	MT-1.2+DT.2	CN-1.2&'0'	MN-1.2+DN.2
1	1	D1.2	C1.0&'1'	M1.0+D2.2	C2.0&'1'	M2.0+D3.2	CT-1.0&'1'	MT-1.0+DT.2	CN-1.0&'1'	MN-1.0+DN.2
					C2.2&'1'	M2.2+D3.0	CT-1.2&'1'	MT-1.2+DT.0	CN-1.2&'1'	MN-1.2+DN.0
					C2.3&'0'	M2.3+D3.3	CT-1.3&'0'	MT-1.3+DT.3	CN-1.3&'0'	MN-1.3+DN.3
2	NONE	NONE	C1.0&'0'	M1.1+D2.1	C2.1&'0'	M2.1+D3.1	CT-1.1&'0'	MT-1.1+DT.1	CN-1.1&'0'	MN-1.1+DN.1
3	NONE	NONE	C1.0&'1'	M1.1+D2.3	C2.1&'1'	M2.1+D3.3	CT-1.1&'1'	MT-1.1+DT.3	CN-1.1&'1'	MN-1.1+DN.3
					C2.3&'1'	C2.3+D3.1	CT-1.3&'1'	CT-1.3+DT.1	CN-1.3&'1'	CN-1.3+DN.1