



d) Greater correlation between Mt) ( x, lt)

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3. a) def decode (x, d, fs, xo, x,): high = numpy, convolve (x, x,) /fs low = numpy convolve (x, xo) /fs S = numpy, zeros (int (fs \* d)) b) for i in s:

if \$\low [o] > high [i]. S[i] = I return s 4. a) rm-rows = rm. shape[0] b) message-bits = np. zeros (rm-rows, 8000) e) for i in rm-rows: for j in message-bits[i];
message-bits[j][i]=rm[j][i]