**Question 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Recovered Bitstream** | **Bit Coding** | **Corresponding Level** | **Sample, n** | **Error** | **Recovered Signal** |
| =IF(V60<0.5, 0, 1) | =CONCATENATE(W60, W61, W62, W63) | =BIN2DEC(X60) | 0 | =ABS(BIN2DEC(CONCATENATE(R60,R61,R62,R63))-Y60) | =IF(Y60="","",Y60\*$K$2) |
| =IF(V61<0.5, 0, 1) |  |  |  |  | =IF(Y61="","",Y61\*$K$2) |
| =IF(V62<0.5, 0, 1) |  |  |  |  | =IF(Y62="","",Y62\*$K$2) |
| =IF(V63<0.5, 0, 1) |  |  |  |  | =IF(Y63="","",Y63\*$K$2) |
| =IF(V64<0.5, 0, 1) | =CONCATENATE(W64, W65, W66, W67) | =BIN2DEC(X64) | 1 | =ABS(BIN2DEC(CONCATENATE(R64,R65,R66,R67))-Y64) | =IF(Y64="","",Y64\*$K$2) |
| =IF(V65<0.5, 0, 1) |  |  |  |  | =IF(Y65="","",Y65\*$K$2) |
| =IF(V66<0.5, 0, 1) |  |  |  |  | =IF(Y66="","",Y66\*$K$2) |
| =IF(V67<0.5, 0, 1) |  |  |  |  | =IF(Y67="","",Y67\*$K$2) |
| =IF(V68<0.5, 0, 1) | =CONCATENATE(W68, W69, W70, W71) | =BIN2DEC(X68) | 2 | =ABS(BIN2DEC(CONCATENATE(R68,R69,R70,R71))-Y68) | =IF(Y68="","",Y68\*$K$2) |
| =IF(V69<0.5, 0, 1) |  |  |  |  | =IF(Y69="","",Y69\*$K$2) |
| =IF(V70<0.5, 0, 1) |  |  |  |  | =IF(Y70="","",Y70\*$K$2) |
| =IF(V71<0.5, 0, 1) |  |  |  |  | =IF(Y71="","",Y71\*$K$2) |

Table - Columns G to L