

Quiz 8

June 20, 2025 1:29 PM

d.istance

0000	000	}	←	4	4	4
0011	101		4	←	4	4
0100	111		4	4	←	4
0111	010		4	4	4	←

all have a distance of 4

$$d_{\min} = S + 1, \quad S = \# \text{ of errors}$$

$$4 = S + 1$$

$$S = 3$$

Therefore, this code scheme can detect 3 errors