

table with centred columns of specified width

foo	bar
foobar	barfoo

Table 1: Hamming code properties.

d	Parity	Detected Bits	Corrected Bits
	Even	$\frac{d}{2}$	$\frac{d}{2}$
	Odd	$\frac{d-1}{2}$	$\frac{d-1}{2}$
1	Odd.	0	0
2	Even	1	0
3	Odd	1	1
4	Even	2	2
5	Odd	2	2
6	Even	3	3
7	Odd	3	3
...

as we make the total width wider, the columns adjust

$$\mathbf{G}^T := \begin{pmatrix} 1 & 1 & 0 & 1 \\ 1 & 0 & 1 & 1 \\ 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix}, \quad \mathbf{H} := \begin{pmatrix} 1 & 0 & 1 & 0 & 1 & 0 & 1 \\ 0 & 1 & 1 & 0 & 0 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 & 1 & 1 \end{pmatrix}$$