

Ficha Semanal 5/

MD ~~26~~

1

$$\begin{array}{cccccc}
 1 & _ & _ & _ & _ & _ & 0 & \rightarrow 2^5 \\
 0 & _ & _ & _ & _ & _ & 1 & \rightarrow 2^5 \\
 1 & _ & _ & _ & _ & _ & 1 & \rightarrow 2^5 \\
 0 & _ & _ & _ & _ & _ & 0 & \rightarrow \binom{5}{4} = 5
 \end{array}$$

$$\left\{ \begin{array}{l} 2^5 \times 3 + \binom{5}{4} = 101 \end{array} \right.$$

2

$$\begin{array}{ccccccccc}
 1 & 1 & _ & 00 & _ & 1 & 1 & 00 & 1 & 1 & 1
 \end{array}$$

$$8 + 8 + 1 = 17$$

3

$$\binom{8}{3} \times \left(3^5 - 3 - \overset{\substack{\text{10 signals} \\ \uparrow \\ \text{1 def}}}{\left(\frac{3 \times 2 \times 5!}{4!} \right)} - \overset{\substack{\text{4 signals} \\ \uparrow \\ \text{2 def}}}{\left(\frac{3 \times 2 \times 5!}{3! 2!} \right)} \right) = 8400$$