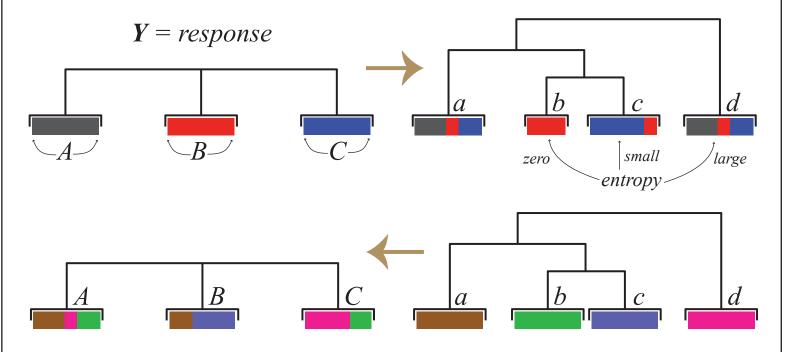
## S1 Box: Diagram of mutual conditional entropy





Subject's "Bivariate Coding"

$$\begin{pmatrix} A \\ a \end{pmatrix} \dots \begin{pmatrix} A \\ d \end{pmatrix} \dots \begin{pmatrix} B \\ a \end{pmatrix} \dots \begin{pmatrix} B \\ b \end{pmatrix} \dots \begin{pmatrix} B \\ c \end{pmatrix} \dots \begin{pmatrix} B \\ d \end{pmatrix} \dots \begin{pmatrix} C \\ a \end{pmatrix} \dots \begin{pmatrix} C \\ c \end{pmatrix} \dots \begin{pmatrix} C \\ d \end{pmatrix}$$

## Conditional entropy (from $Y \rightarrow X$ )

