

For the arrow category $\mathbf{2}$ and \mathbf{Sets}^2 , a subset $(S_0 \xrightarrow{\sigma} S_1) \mapsto (X_0 \xrightarrow{\sigma} X_1)$ is a pair of subsets $S_0 \subset X_0$, $S_1 \subset X_1$ with $\sigma S_0 \subset S_1$. Relative to this subset S there are three sorts of elements x of X_0 : Those x in S_0 ,