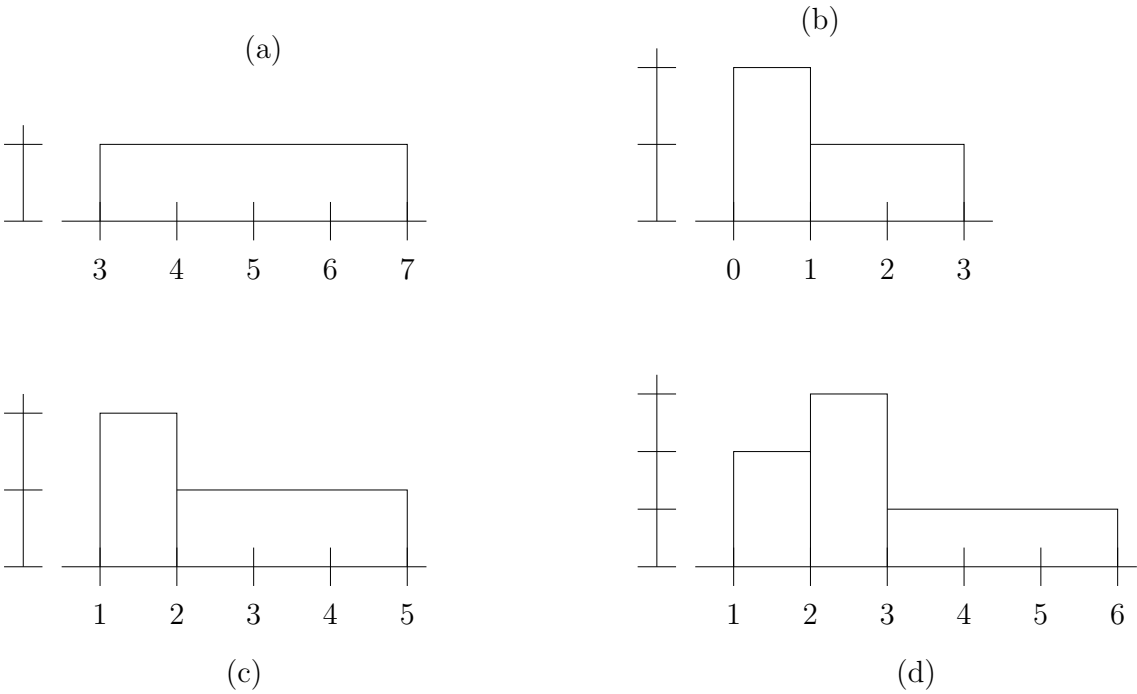


This is for trying out stuff in L<sup>A</sup>T<sub>E</sub>X .



$$\begin{array}{ccc}
 S^2 & \xrightarrow{R_X, \pi} & S^2 \\
 s \downarrow & & \downarrow s \\
 \hat{C} & \xrightarrow{\text{inversion}} & \hat{C}
 \end{array}$$

$$\begin{array}{ccc}
 (a, b, c) & \xrightarrow{R_X, \pi} & (a, -b, -c) \\
 \downarrow s & & \downarrow s \\
 \frac{a+bi}{1-c} & \xrightarrow{\text{inversion}} & \frac{a-bi}{1+c}
 \end{array}$$