

$$\begin{array}{ccccccc}
 & & T & & & & \\
 & & \downarrow & & & & \\
 X & \xrightarrow{\text{TCofib}} & E & \longrightarrow & S & \longrightarrow & \\
 & & \downarrow \text{Fib} & & & & \\
 & & 0 & & & & \\
 & & \downarrow & & & & 
 \end{array}$$