Fred measures (x, y, z, t) $\Rightarrow$ Jane measures (x', y', z', t')

x, y, z, t and relative speed v along x axis

x', y', z', t' and relative speed $-v$ along x axis

$$
\begin{aligned}
x' &= x - vt \\
y' &= y \\
z' &= z \\
t' &= t
\end{aligned}
$$