Prove or give a counterexample:
The predicate $can\cdot share(\alpha, x, y, G_0)$ is true if and only if there is an edge from $x$ to $y$ in $G_0$ labeled $\alpha$, or if the following hold simultaneously.

(a) There is a vertex $s$ with an $s$-to-$y$ edge labeled $\alpha$.

(b) There is a subject vertex $x'$ such that $x' = x$ or $x'$ initially spans to $x$.

(c) There is a subject vertex $s'$ such that $s' = s$ or $s'$ terminally spans to $s$.

(d) There is a sequence of subjects $x_1, \ldots, x_n$ with $x_1 = x'$, $x_n = s'$, and $x_i$ and $x_{i+1}$ ($1 \leq i < n$) being connected by an edge labeled $t$, an edge labeled $g$, or a bridge.