Why a direct, EPIC mechanism is DSIC
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Claim. If a mechanism is direct and EPIC, then it is DSIC.

Proof. Let $M$ be a direct, EPIC mechanism. We will argue that for any bid vector $b_{-i}$, a bid of $v_i$ by bidder $i$ is a dominant strategy. Consider an alternate universe in which $M$ receives the bid vector $b_{-i}$, and furthermore we know that $b_{-i} = v_{-i}$. In this case, because the mechanism is EPIC, we know that bidding $v_i$ is a dominant strategy for bidder $i$. However, $i$'s payoff is purely a function of her bid and the other bids. Therefore, if her payoff is maximized in the alternate universe by bidding $v_i$, then it also maximized by bidding $v_i$ in the initial setup. □