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The figure shows two Feynman diagrams for the decay of a select quark ($\tilde{q}$) into a quark (q) and a gluino ($\tilde{g}$).

Diagram (a) shows a select quark ($\tilde{q}$) decaying into a quark (q) and a gluino ($\tilde{g}$) via a loop involving a top quark (t) and a stop squark ($\tilde{t}$). The loop consists of a top quark line and a stop squark line. The external lines are a select quark line, a quark line, and a gluino line.

Diagram (b) shows a select quark ($\tilde{q}$) decaying into a quark (q) and a gluino ($\tilde{g}$) via a loop involving a top quark (t) and a gluino ($\tilde{g}$). The loop consists of a top quark line and a gluino line. The external lines are a select quark line, a quark line, and a gluino line.

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