

Swing



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graph TD; Swing[Swing] -- "GRF > threshold<br/>leg angle < 90°" --> Stance[Stance]; Stance -- "GRF < threshold<br/>leg angle > 90°<br/>hip velocity > 0" --> Swing;
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$\text{GRF} > \text{threshold}$   
 $\text{leg angle} < 90^\circ$

Stance

$\text{GRF} < \text{threshold}$   
 $\text{leg angle} > 90^\circ$   
 $\text{hip velocity} > 0$