stateDiagram-v2

direction LR

s0 : Start

s1 : Saw 'a'

s2 : Accepted

[\*] --> s0

s0 --> s0 : b

s0 --> s1 : a

s1 --> s0 : b/Accept

s1 --> s1 : a

s0 --> s2 : Accept if last input was "ab"

s1 --> s2 : Accept if last input was "ab"

s2 --> [\*]