Lesson:
A **composite state** is a state that has substates. A substate is a state that belongs to a superstate which is a composite state. A **substate** represent a possible condition while its superstate is in active.

Description:
The fan now supports 3 speeds of blowing, but has been modified so it cannot go directly to Speed 2 and Speed 3 without firstly go state with lower speed. In other words, transition from Idle can only go to Speed 1 for the fan to start blowing.

Instruction:
Modify the Blowing state into a composite state so it has 3 speeds of blowing and only allow transition from Idle to Speed 1 start blowing!

Start

Turn On

End

Turn Off

Idle

Button 0 Pressed

Blowing

Speed 1

Speed 2

Button 1 Pressed

Button 2 Pressed

Button 1 Pressed

Button 2 Pressed

Button 1 Pressed

Speed 3

Button 3 Pressed

Button 3 Pressed

Start

Turn On

End

Turn Off

Idle

Button 0 Pressed

Blowing

Speed 1

Button 1 Pressed

Button 2 Pressed

Button 1 Pressed

Speed 2

Button 3 Pressed

Button 2 Pressed

Speed 3

Button 3 Pressed

Button 1 Pressed