**Vending Machine Model using Mealy**

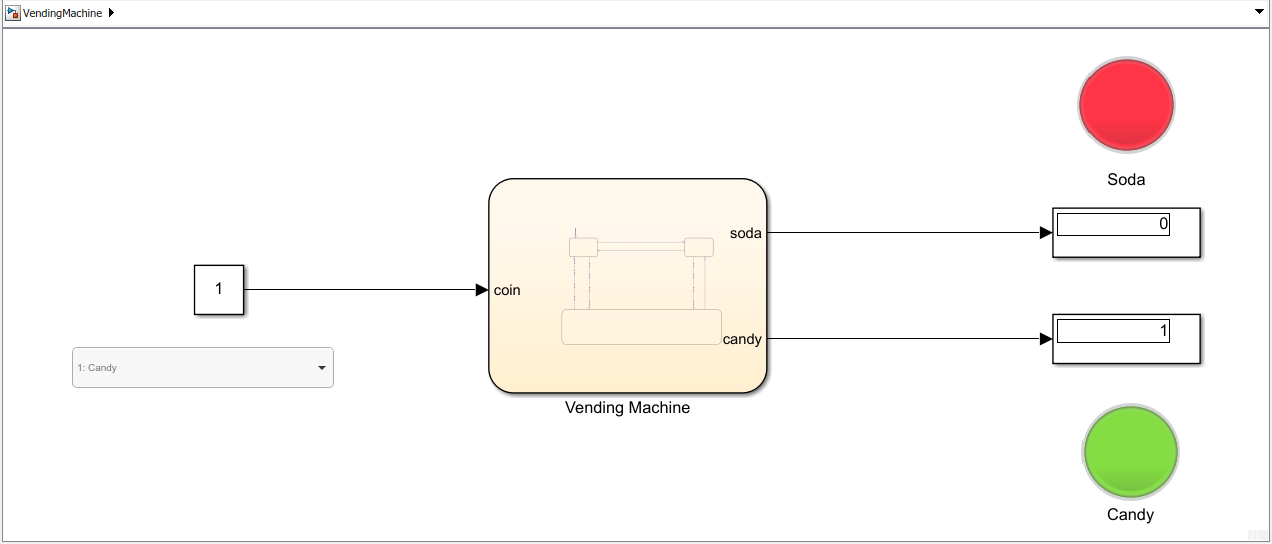
**Semantics**

**Main Model**

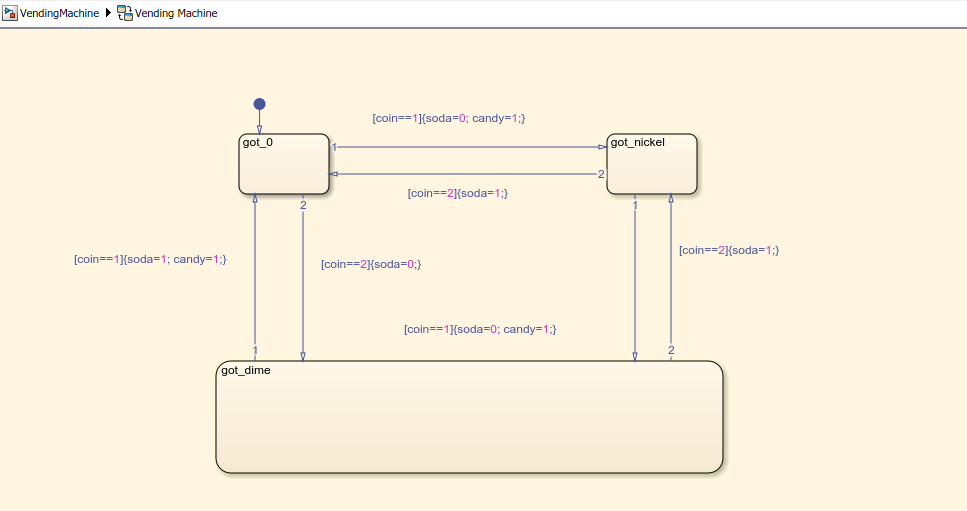
1 Coin => Candy

2 Coins => Soda

No Coins => Nill



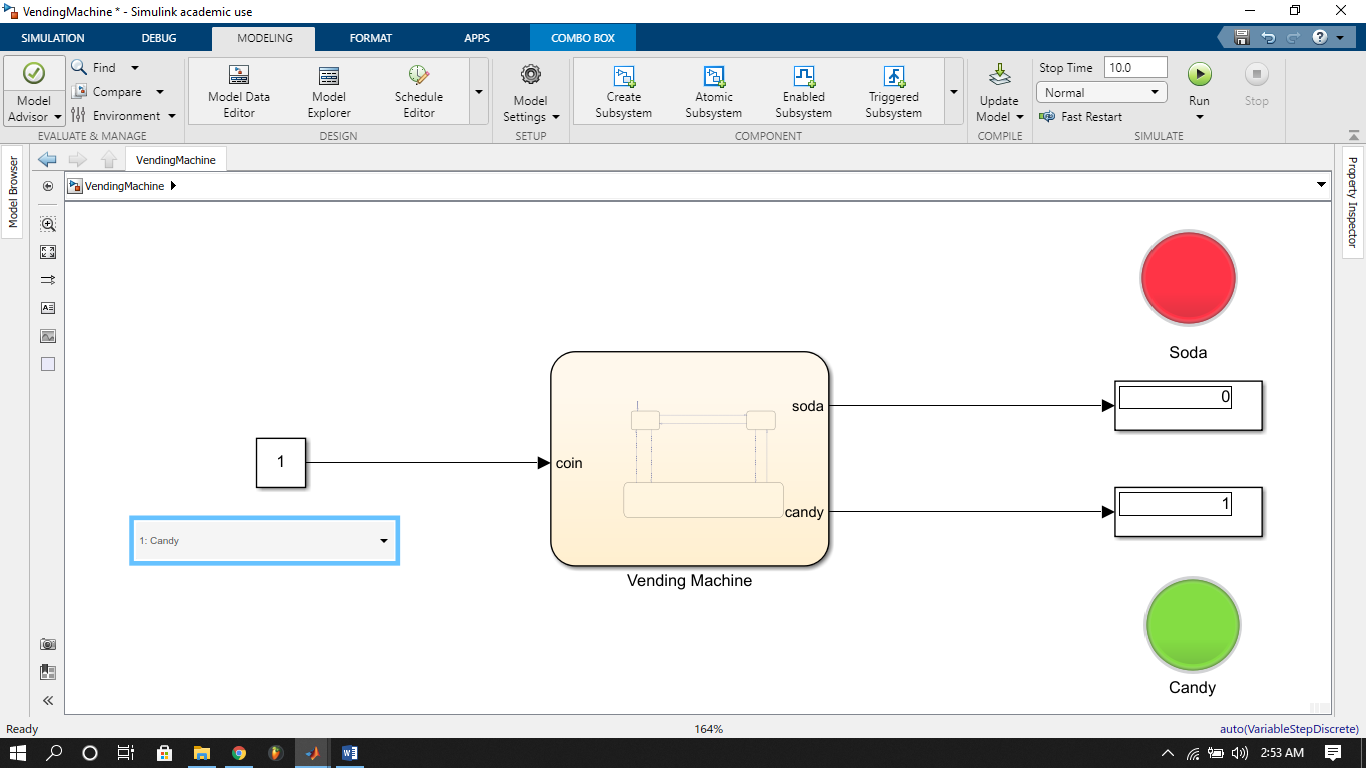
**Stateflow Chart**



**Output**

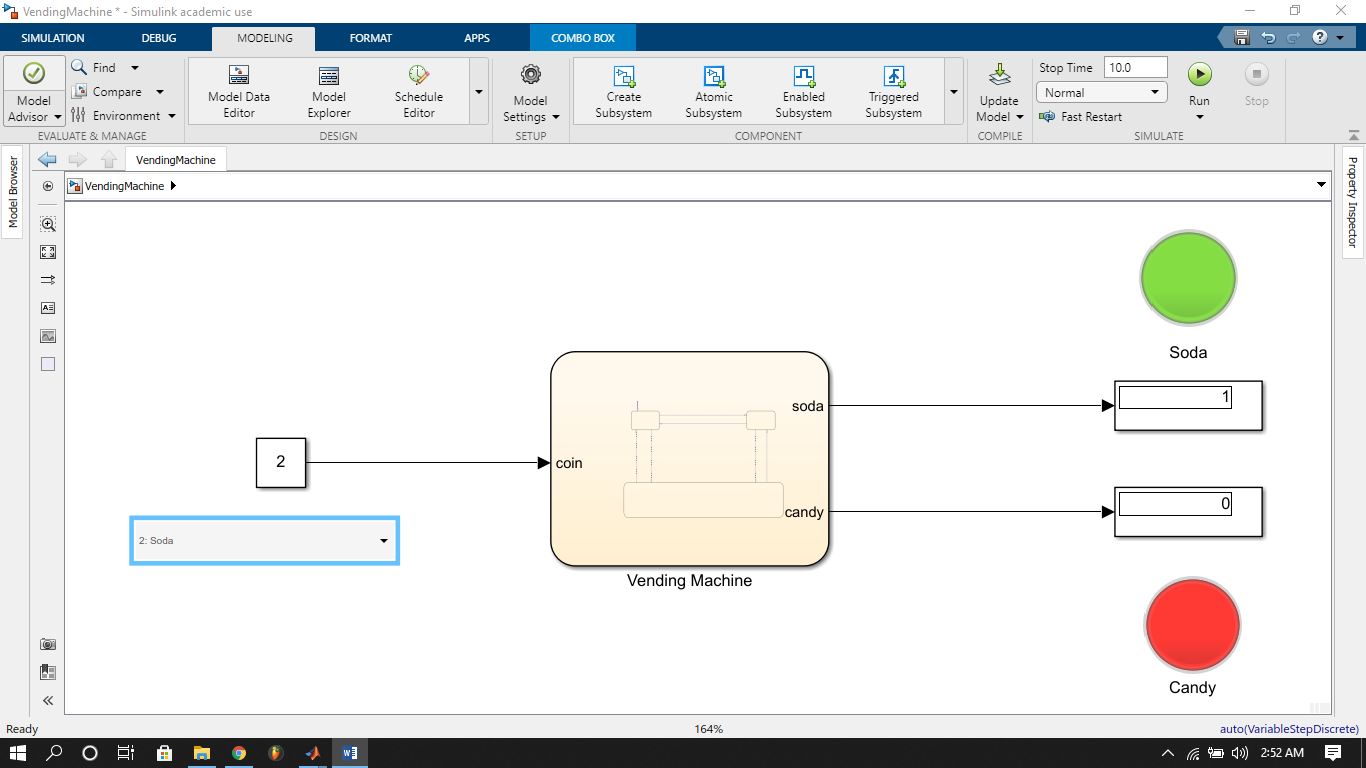
**(NOTE: Green Lamp indicates ON and Red Lamp Indicates OFF)**

* **Candy ( 1 Coin)**



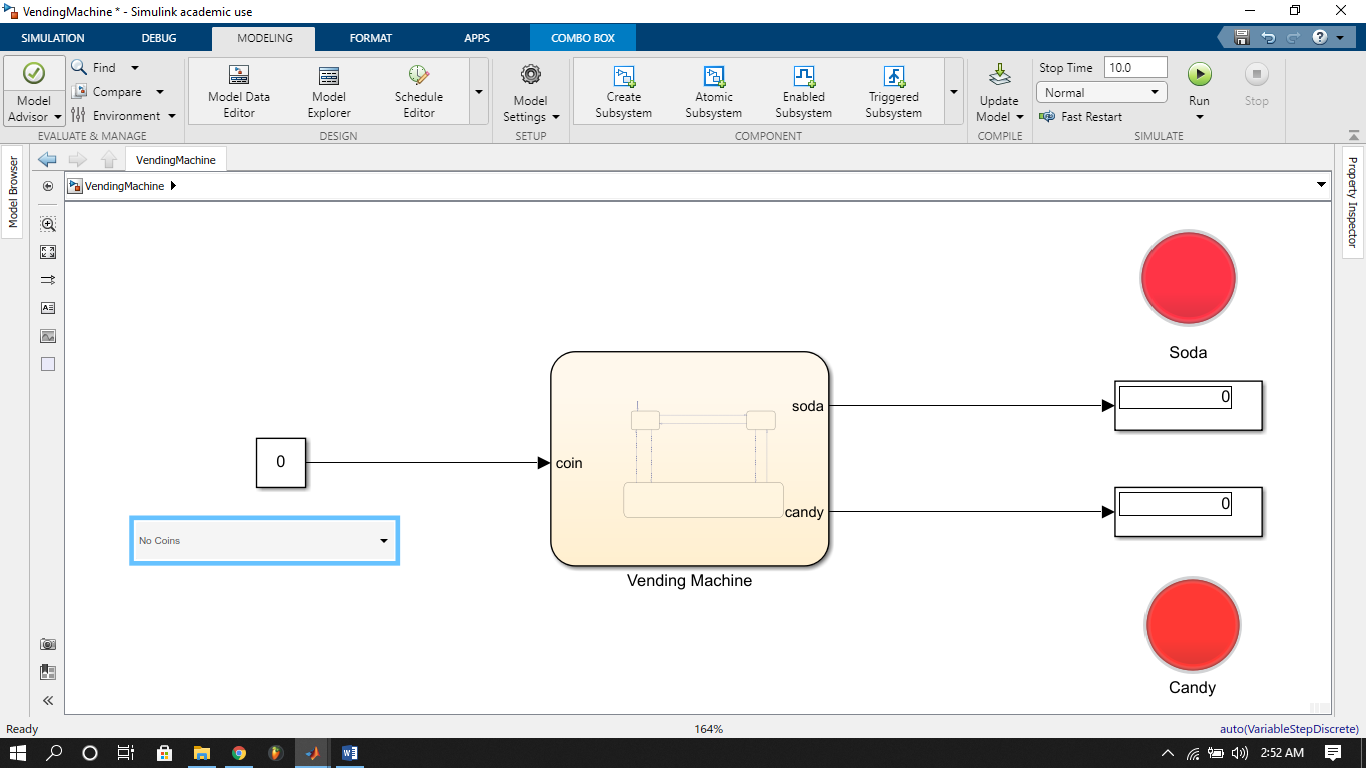
(1 Coin = CANDY)

* **Soda (2 Coins)**



(2 Coins = SODA)

* **No coins**



(No Coins = Nill)