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Description of Model

My model is a representation of a flow chart, which shows the transition of the gears of a car. The red box is where we start. This box represents the Parking mode (floor 5). The column connected below this box is an elevator shaft. The elevator only proceeds down and cannot go further than one room at a time. The rooms connected by the elevator represent decisions. These rooms are pink. The green room represents the Drive mode and the Blue room represents the Reverse mode. The ball starts in the Parking room. In this model representation, the car is on at all times. If the ball wants to shift gears, it takes the elevator down and appears in the first orange room (floor 3). This is a decision room to go to Drive mode. If the ball decides to go into Drive mode, it takes the pipe up to the Green room (floor 4). The ball would then be in drive mode and can stay there as long as it wants. Once the ball decides it is done it goes back to Parking mode.

If the ball decides that it doesn't want to go to Drive mode, the ball takes the elevator down again to another decision room (floor 1). In this room the ball decides if it wants to go into the blue room, which is Reverse mode (floor 2). If so the ball takes the pipe into the blue room and stays there as long as it wants. Once the ball is done, the ball takes the pipe back to the other decision room (floor 3) to go to Drive mode if it desires. If the ball decides not to go to the blue room, the ball will take the elevator down and the behavior of the car ends.

Some things to note are that the pipes can only go in one direction, which is up. We can visualize these as escalators. The elevator only goes down and can only go down one floor at a time. The purpose of this 3-D flow chart is to personalize the experience for the user. The flow chart maps to the Bank of China architecture. The flow chart resembles the Bank of China by its structure.