

1. The first bar represents the initial state of the system, where the system is at rest and no external forces are applied. The system is in a state of equilibrium, and the net force acting on it is zero.

2. The second bar represents the state of the system when a constant force is applied to it. The system is no longer in equilibrium, and the net force acting on it is non-zero. The system is in a state of acceleration, and the net force is equal to the mass of the system multiplied by its acceleration.

3. The third bar represents the state of the system when the applied force is removed. The system is no longer in equilibrium, and the net force acting on it is non-zero. The system is in a state of deceleration, and the net force is equal to the mass of the system multiplied by its deceleration.

4. The fourth bar represents the state of the system when the system is brought to rest. The system is in a state of equilibrium, and the net force acting on it is zero. The system is in a state of rest, and the net force is equal to the mass of the system multiplied by its acceleration, which is zero.