CLAIMS

1. An air conditioning system comprising:

a plurality of air conditioners (20, 40) each including an indoor unit (30, 50) and an outdoor unit (21, 41), each of the air conditioners being configured to perform a refrigeration cycle individually and air-condition a same indoor space; and

a control device (60) that controls the plurality of air conditioners (20, 40),

wherein the control device (60) is configured to perform:

a first operation in which the indoor units (30, 50) of all the air conditioners (20, 40) are controlled such that air is cooled to a dew point temperature or lower; and

a second operation in which the indoor unit (30) of at least one air conditioner (20) is controlled such that the air is cooled to the dew point temperature or lower, while the indoor unit (50) of another air conditioner (40) is controlled such that the air is cooled at a temperature higher than the dew point temperature,

the control device (60) is configured to switch modes between a temperature control mode including a normal cooling operation and a temperature and humidity control mode including the first operation and the second operation, and

the control device (60) determines whether to start a next operation including the first operation and the second operation, at a time of starting the temperature and humidity control mode.

2. The air conditioning system according to claim 1,

wherein the control device (60) performs the first operation when a condition indicating that at least an indoor humidity is higher than a predetermined value is satisfied.

3. The air conditioning system according to claim 1 or 2,

wherein the control device (60) performs the second operation when a condition indicating that an indoor temperature and the indoor humidity are in a target range is satisfied.

4. The air conditioning system according to any one of claims 1 to 3,

wherein the control device (60) is configured to perform a third operation in which the indoor units (30, 50) of all the air conditioners (20, 40) are controlled such that the air is cooled at a temperature higher than the dew point temperature.

5. The air conditioning system according to claim 4,

wherein the control device (60) performs the third operation when a condition indicating that the indoor humidity is lower than a predetermined value and the indoor temperature is higher than a predetermined value is satisfied.

6. An air conditioning system comprising:

a plurality of air conditioners (20, 40) each including an indoor unit (30, 50) and an outdoor unit (21, 41), each of the air conditioners being configured to perform a refrigeration cycle individually and air-condition a same indoor space; and

a control device (60) that controls the plurality of air conditioners (20, 40),

wherein the control device (60) is configured to perform:

a first operation in which the indoor units (30, 50) of all the air conditioners (20, 40) are controlled such that air is cooled to a dew point temperature or lower;

a second operation in which the indoor unit (30) of at least one air conditioner (20) is controlled such that the air is cooled to the dew point temperature or lower, while the indoor unit (50) of another air conditioner (40) is controlled such that the air is cooled at a temperature higher than the dew point temperature; and

a third operation in which the indoor units (30, 50) of all the air conditioners (20, 40) are controlled such that the air is cooled at a temperature higher than the dew point temperature,

the control device (60) is configured to switch modes between a temperature control mode including a normal cooling operation and a temperature and humidity control mode including the first operation, the second operation, and the third operation, and

the control device (60) determines whether to start a next operation including the first operation and the third operation, at a time of starting the temperature and humidity control mode.

7. An air conditioning system comprising:

a plurality of air conditioners (20, 40) each including an indoor unit (30, 50) and an outdoor unit (21, 41), each of the air conditioners being configured to perform a refrigeration cycle individually and air-condition a same indoor space; and

a control device (60) that controls the plurality of air conditioners (20, 40),

wherein the control device (60) is configured to perform:

a first operation in which the indoor units (30, 50) of all the air conditioners (20, 40) are controlled such that air is cooled to a dew point temperature or lower;

a second operation in which the indoor unit (30) of at least one air conditioner (20) is controlled such that the air is cooled to the dew point temperature or lower, while the indoor unit (50) of another air conditioner (40) is controlled such that the air is cooled at a temperature higher than the dew point temperature; and

a third operation in which the indoor units (30, 50) of all the air conditioners (20, 40) are controlled such that the air is cooled at a temperature higher than the dew point

temperature,

the control device (60) is configured to switch modes between a temperature control mode including a normal cooling operation and a temperature and humidity control mode including the first operation, the second operation, and the third operation, and

the control device (60) determines whether to start a next operation including the second operation and the third operation, at a time of starting the temperature and humidity control mode.