

- **Group 1 (Vertical Flow):** North-South and South-North.
- **Group 2 (Horizontal Flow):** West-East and East-West.
- **Group 3 (Diagonal 1):** North-West and South-East.
- **Group 4 (Diagonal 2):** North-East and South-West.
- **Group 5 (Sideways):** West-North, East-North, East-South, and West-South.

- **Group 1 Green, Others Red:** North-South and South-North directions are green, all other directions are red.
- **Group 1 Orange, Others Red:** North-South and South-North are orange, preparing to stop.
- **Group 2 Green, Others Red:** West-East and East-West are green, all other directions are red.
- **Group 2 Orange, Others Red:** West-East and East-West are orange, preparing to stop.
- **Group 3 Green, Others Red:** North-West and South-East are green, all other directions are red.
- **Group 3 Orange, Others Red:** North-West and South-East are orange, preparing to stop.
- **Group 4 Green, Others Red:** North-East and South-West are green, all other directions are red.
- **Group 4 Orange, Others Red:** North-East and South-West are orange, preparing to stop.
- **Group 5 Green, Others Red:** West-North, East-North, East-South, and West-South are green, all other directions are red.
- **Group 5 Orange, Others Red:** West-North, East-North, East-South, and West-South are orange, preparing to stop.

