ATS/ISCS events merging cases (For Historical search).

The 2 bars represent ATS and ISCS events searching result separately.

: This color means the part of events will be **merged**.

: This color means the part of events will be **discarded**.

1. **Case 1: Searching by start time**.

For example: Start time: 7:00 , no End time

1.1 Searching result: ATS (7:00 – 8:00) , ISCS (7:00 – 11:00)

If ATS return data reach max size, After merging : ATS (7:00 – 8:00) + ISCS (7:00 – 8:00) .

Otherwise , no data will be cut.



7:00 8:00 11:00 History🡨 Time 🡪 future

1.2 Searching result: ATS (7:00 – 11:00) , ISCS (8:00 – 9:00)

If ISCS return data reach max size, After merging : ATS (7:00 – 9:00) + ISCS (8:00 – 9:00) .otherwise, no data will be cut.



7:00 8:00 9:00 11:00 History🡨 Time 🡪 future

1.3 Searching result: ATS (7:00 – 11:00) , ISCS (7:30 – 11:30)

Is ATS return data reach max size, After merging : ATS (7:00 – 11:00) + ISCS (7:30 – 11:00) .

Otherwise, no data will be cut.

7:00 7:30 11:00 11:30 History🡨 Time 🡪 future

1.4 Searching result: ATS (7:00 –8:00) , ISCS (9:00 – 11:00)

If ATS return data reach max size, After merging : ATS (7:00 – 8:00) + ISCS ( None) .otherwise , no datawill be cut.

7:00 8:00 9:00 11:00 History🡨 Time 🡪 futur

1. **Case 2: Searching by end time.**

For example: No Start time, End time 12:00

2.1 Searching result: ATS (7:00 – 12:00) , ISCS (8:00 – 12:00)

If ISCS return data reach max size, After merging : ATS (8:00 – 12:00) + ISCS (8:00 – 12:00) .Otherwise, no data will be cut.

7:00 8:00 12:00 History🡨 Time 🡪 future

2.2 Searching result: ATS (7:00 – 12:00) , ISCS (8:00 – 9:00)

If ISCS return data reach max size, After merging : ATS (8:00 – 12:00) + ISCS (8:00 – 9:00) . Otherwise, no data will be cut.

7:00 8:00 9:00 12:00 History🡨 Time 🡪 future

2.3 Searching result: ATS (8:00 – 12:00) , ISCS (7:00 – 11:00)

If ATS return data reach max size, After merging : ATS (8:00 – 12:00) + ISCS (8:00 – 11:00) . Otherwise, no data will be cut.

7:00 8:00 11:00 12:00 History🡨 Time 🡪 future

2.4 Searching result: ATS (9:00 – 12:00) , ISCS (7:00 – 8:00)

If ATS return data reach max size, After merging : ATS (9:00 – 12:00) + ISCS (None) Otherwise, no data will be cut.

7:00 8:00 9:00 12:00 History🡨 Time 🡪 future

1. **Case 3: Searching by start time and end time**. This situation is just like case 2.

For example: Start time 7:00, End time 12:00

3.1 Searching result: ATS (7:00 – 12:00) , ISCS (8:00 – 11:30)

If ISCS return data reach max size, After merging : ATS (8:00 – 11:30) + ISCS (8:00 – 11:30) . Otherwise, no data will be cut.

7:00 8:00 11:30 12:00 History🡨 Time 🡪 future

3.2 Searching result: ATS (8:00 – 12:00) , ISCS (7:00 – 11:30)

If ATS return data reach max size, After merging : ATS (8:00 – 11:30) + ISCS (8:00 – 11:30) .

Otherwise, no data will be cut.

7:00 8:00 11:30 12:00 History🡨 Time 🡪 future

3.3 Searching result: ATS (7:00 – 8:00) , ISCS (8:30-12:00)

If ISCS return data reach max size, After merging : ATS (8:00 – 11:30) + ISCS (8:00 – 11:30) .

Otherwise, no data will be cut.

7:00 8:00 8:30 12:00 History🡨 Time 🡪 future