

times = 

[arrival, leave]		
[1,4]	[2,3]	[4,6]

 targetFriend = 1

nextChair = 0

availableChairs



leavingQueue  
(leave time, chair)

Friend 0 (arrival = 1, leave = 4):

leavingQueue is empty, so no chairs are freed.

Since availableChairs is empty, we assign nextChair = 0 to Friend 0.

Add the pair (4, 0) to the leavingQueue (Friend 0 will leave at time 4 from chair 0).

The nextChair is incremented to 1.

availableChairs



leavingQueue  
(leave time, chair)

Friend 1:

arrival = 2, leave = 3 (this is our targetFriend).

The top of leavingQueue is (4, 0), but Friend 0 leaves at time 4, so no chairs are freed.

Since availableChairs is still empty, we assign nextChair = 1 to Friend 1.

Add the pair (3, 1) to the leavingQueue (Friend 1 will leave at time 3 from chair 1).

The nextChair is incremented to 2.

This is the targetFriend, and we return the chair number 1.

2005 Set 3, available chair  
25 ans, 25 min, leave time  
0 min Set 4 push, 25 min  
empty, current chair ++;

ସର୍ବତ୍ର minheap ସମ୍ପର୍କରେ  $\leftarrow$  leave time,

Chair  $j$ , ଏବଂ new arrival time  $\leftarrow$

ସମସ୍ତ  $\leftarrow$  leave time ସମ୍ପର୍କରେ  $\leftarrow$  ଏବଂ

Chair  $i$  କୁ set  $\leftarrow$  push କରନ୍ତୁ,

then minimum  $\leftarrow$  ଏବଂ new arrival

Chair.