- Time Intervals Increasing!
- Target: find empty slot of size at least 's'.

$m - r_n$ is the last interval

l_1 is the first interval

0

l_1 r_1 l_2 r_2 .... l_n r_n m
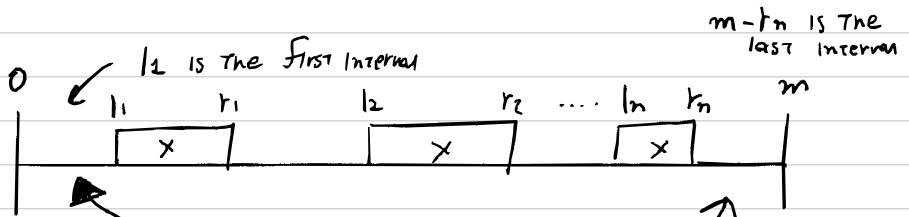
```
// P:"Previous," n:"now"
int  lp, rp, ln, rn;
cin >> lp >> rp;
int max_interval = lp;
for(int i=1; i<n; i++) {          // start from no2
    cin >> ln >> rn;
    if (ln-rp > max_interval) max_interval = ln-rp;
    lp = ln;    // This interval becomes previous for
    rp = rn;    // next iteration.
}
```

$m - l_n$ is the last

}

```
If (max_interval >= S)    cout << "YES";
else if(m-rn >= S)    cout << "YES".
else cout << "NO";
```