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[Missing Soldiers](#) / Submission (55015722) by Jules Iradukunda (juiradukunda17)

Submission ID: 55015722 / 1 minute ago

RESULT: Accepted

[Refer judge environment](#)

Score	Time (sec)	Memory (KiB)	Language
20.0	2.45574	21800	Python 3

Input	Result	Time (sec)	Memory (KiB)	Score	Your Output	Correct Output	Diff
Input #1	Accepted	0.03437	3692	5			

PA-III - Missing Soldiers

```
N = int(input())
intervals = [[] for i in range(N)]
for i in range(N):
    read = input().split()
    intervals[i] = [int(read[0]), int(read[0])+int(read[2])]
```

```
# merge overlapping intervals
intervals.sort(key=lambda x: x[0])
```

```
merged = []
for interval in intervals:
    if not merged or merged[-1][1] < interval[0]:
        merged.append(interval)
```

```
else:  
    merged[-1][1] = max(merged[-1][1], interval[1])
```

```
# sum up the total number of ants blocked
```

```
res = 0
```

```
for i in merged:
```

```
    res += (i[1]+1) - i[0]
```

```
print(res)
```