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Time Conversion 🔖

by vatsalchanana

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Given a time in 12-hour AM/PM format, convert it to military (24-hour) time.

Note: Midnight is $12:00:00AM$ on a 12-hour clock, and $00:00:00$ on a 24-hour clock. Noon is $12:00:00PM$ on a 12-hour clock, and $12:00:00$ on a 24-hour clock.

Input Format

A single string containing a time in 12-hour clock format (i.e.: $hh:mm:ssAM$ or $hh:mm:ssPM$), where $01 \le hh \le 12$ and $00 \le mm, ss \le 59$.

Output Format

Convert and print the given time in 24-hour format, where $00 \le hh \le 23$.

Sample Input

```
07:05:45PM
```

Sample Output

```
19:05:45
```

f 🐦 in

Submissions: 266184

Max Score: 15
Difficulty: Easy

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More

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```cpp
1  #include <iostream>
2  #include <iomanip>
3  using namespace std;
4
5  int main(){
6      int h, m, s;
7      char ch, aorp;
8
9      cin >> h >> ch >> m >> ch >> s >> aorp >> ch;
10     h = (aorp == 'A') ? (h==12 ? 0 : h) : (h==12 ? 12 : h+12);
11
12     cout << setw(2) << setfill('0') << h << ":"
13          << setw(2) << setfill('0') << m << ":"
14          << setw(2) << setfill('0') << s << endl;
15
16     return 0;
17  }
```

18

Line: 1 Col: 1

⬆ __Upload Code as File__   ☐ Test against custom input   Run Code   Submit Code