#include <stdio.h>

#include <string.h>

int main (void) {

int hh, mm, ss;

char tt[3] = "";

if (scanf ("%d:%d:%d %[^\n]%\*c", &hh, &mm, &ss, tt) != 4) {

fprintf (stderr, "error: invalid read of time.\n");

}

hh = (strcmp (tt, "PM") == 0 && hh != 12) ? hh + 12 : hh;

if (strcmp (tt, "AM") == 0 && hh == 12) hh = 0;

printf ("%02d:%02d:%02d", hh, mm, ss);

return 0;

}