Flowchart for Running The Race

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Purpose: Calculates Cost of the Phone Call

→ system Libraries iomanip

→ User Libraries iostream

→ Global Constants

→ Function Prototypes

→ (A)

(A)

main Phone Call Charge

Declare
runer1,runer2,runer3, //Three runners
time1,time2,time3; //Time 0 to 65535, unit as minute
place1, place2, place3; //First, second, and third place

Input Time

→ (B)

(B)

time1<time2 && time1<time3 — True → The first place = runer1 → time2 < time3 — True → The second place = runer2 — True → The third place = runer3 → Output Cost

time3 < time2 — True → The second place = runer3 — True → The third place = runer2 → Output Cost

time2<time1 && time2<time3 — True → The first place = runer2 → time1 < time3 — True → The second place = runer1 — True → The third place = runer3 → Output Cost

time3 < time1 — True → The second place = runer3 — True → The third place = runer1 → Output Cost

time3<time1 && time3<time2 — True → The first place = runer3 → time1 < time2 — True → The second place = runer1 — True → The third place = runer2 → Output Cost

time2 < time1 — True → The second place = runer2 — True → The third place = runer1 → Output Cost

Output Cost → return 0