

Problem Menu

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Statement

Submissions

Your score

not attempted

Spoilers

Show difficulty Show tags

solved by 29 / 30

Top users by time

| # | User | Time |
|---|------------------|--------|
| 1 | levirs565 | 129 ms |
| 2 | irdacin | 129 ms |
| 3 | AhmadRomy | 131 ms |
| 4 | JJustRadr | 133 ms |
| 5 | Arman10 | 147 ms |

Top users by memory

| # | User | Memory |
|---|------------------|----------|
| 1 | zhoelzx | 8152 KB |
| 2 | levirs565 | 9032 KB |
| 3 | vandykas | 9196 KB |
| 4 | AhmadRomy | 9416 KB |
| 5 | Arman10 | 10568 KB |

Arkavidia 9.0 - Penyisihan CP > G

Submission #4744624

Arkavidia 9.0 - Penyisihan CP / G. Gerbang Sihir Arkavidia

Accepted · LilyFlower · Go · January 9, 2026 at 19:02:04

► Sample Test Data Results

► Test Data Results

```

102     }
103
104     for i := int64(0); i < k; i++ {
105         var a, b, c, t int64
106         scan(&a, &b, &c, &t)
107
108         nodes[a].Edges = append(nodes[a].Edges, Edge{
109             to: b,
110             c: c,
111             t: t,
112             dir: 1,
113         })
114
115         nodes[b].Edges = append(nodes[b].Edges, Edge{
116             to: a,
117             c: c,
118             t: t,
119             dir: -1,
120         })
121     }
122
123     var x, y int64
124     scan(&x, &y)
125
126     dist := make([]int64, n+1)
127     for i := range dist {
128         dist[i] = -1
129     }
130     dist[x] = 0
131
132     pq := make(PriorityQueue, 0)
133     heap.Init(&pq)
134     heap.Push(&pq, &PQItem{node: x, time: 0})
135
136     for pq.Len() > 0 {
137         current := heap.Pop(&pq).(*PQItem)
138         u := current.node
139         currentTime := current.time
140
141         if currentTime > dist[u] && dist[u] != -1 {
142             continue
143         }
144
145         if u == y {
146             println(currentTime)
147             return
148         }
149
150         for _, edge := range nodes[u].Edges {
151             v := edge.to
152             nextTime := travelTime(u, v, currentTime, edge)
153
154             if dist[v] == -1 || nextTime < dist[v] {
155                 dist[v] = nextTime
156                 heap.Push(&pq, &PQItem{node: v, time: nextTime})
157             }
158         }
159     }
160
161     println(-1)
162 }
163
164 func Print(a ...any) {
165     fmt.Fprint(out, a...)
166 }
167
168 func Println(a ...any) {
169     fmt.Fprintln(out, a...)
170 }
171
172 func Scan(a ...any) {
173     fmt.Fscan(in, a...)
174 }
175
176 func main() {
177     defer out.Flush()
178     Solve()
179 }

```