4.	(c)		See sample solution below.	**4**	Award 1 mark for nested fixed loop (lines 1 & 5 of the solution below). Award 1 mark for comparison of latitude and longitude differences (line 6). Award 1 mark for count that doesn't count event itself (line 6). Award 1 mark for updating cluster count in clusterSize array (line 7).

```
1.  start fixed outer loop from 0 to 13
2.      set clusterSize[outer] = 0
3.      set currentLat = events[outer][0]
4.      set currentLong = events[outer][1]
5.      start fixed inner loop from 0 to 13
6.          if (currentLat – events[inner][0] between 5 and –5 inclusive) and (currentLong –
            events[inner][1] between 5 and –5 inclusive) and (outer ≠ inner) then
7.              set clusterSize[outer] = clusterSize[outer] + 1
8.          end if
9.      end fixed loop
10.  end fixed loop
```