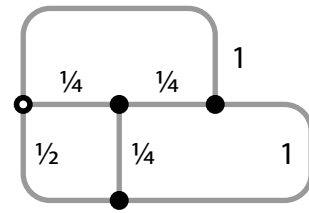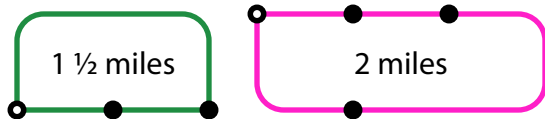One of the duties of a park ranger is to protect park-lands by ensuring people stay on designated trails. In these puzzles, it is your job to assemble trails of different lengths using the available paths through the forest. Here is an example of a series of paths that need to be assembled into trails. The numbers beside each path segment represent how long each segment is.
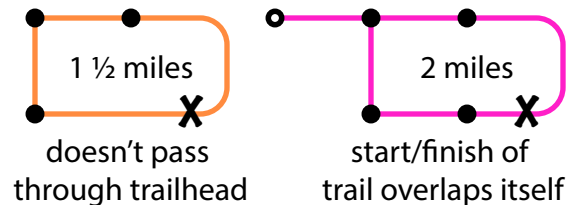

Each trail must form a loop that does not overlap itself and must pass through at least one trailhead (black circle with white dot).
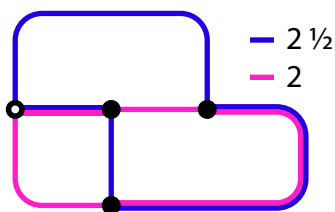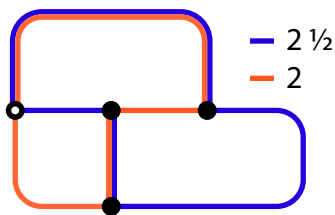
Acceptable loops:	Unacceptable loops:

1 ½ miles   2 miles

1 ½ miles   2 miles

doesn't pass through trailhead   start/finish of trail overlaps itself

Different trails may share paths, but all paths must be used by at least one trail. Finally, each puzzle will give specific instructions to the number of trails and their lengths.

In this example, the two created trails must have lengths within 1/2 mile of each other.

Acceptable solutions: Unacceptable solutions:

— 2 ½
— 2

— 2
— 2

• both trails the same length

— 2 ½
— 2

— 2 ½
— 1 ½

• doesn't use all paths

• trail lengths not within 1/2 mile of each other

Park Trails

Instructions & Example