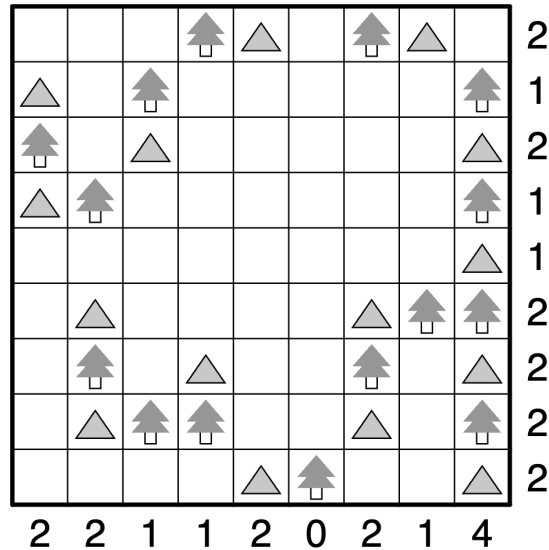


[Solution] Tents

Written by jah and Cindy

Answer: XXXXXXXXXX

First, solve the Tents logic puzzle. There can be different logic paths to solve it, but one example is given in [Appendix A](#).



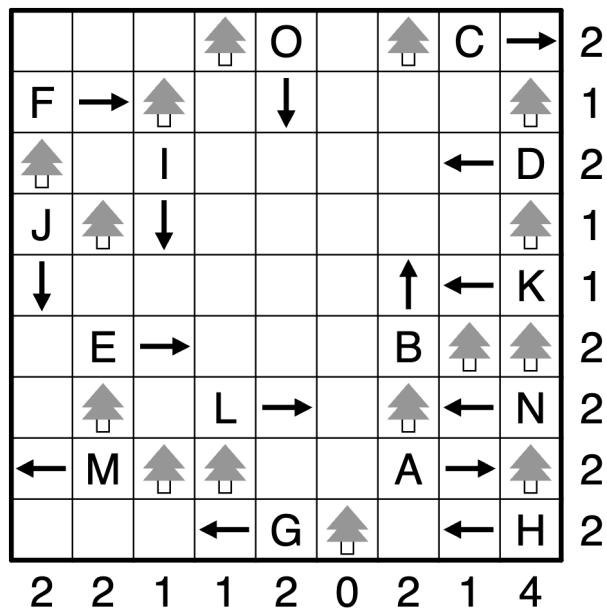
Day 1 has a collection of words obscured by "coffee stains". Most of the words can be inferred from context, but some of them have multiple possible answers.

Clue	Missing word
Puddles have formed along the path, a b XXXXXX of the morning rain, which we avoided as we picked a spot to set-up our camp.	BYPRODUCT
As usual, my stomach started growling like X lo XXXXXX around midday, reminding me we needed a place to stop soon.	CLOCKWORK
After a quick meal, my team went to gather pieces of dr XXXXXX from the riverbanks to start a fire while I did a quick survey of the area.	DRIFTWOOD

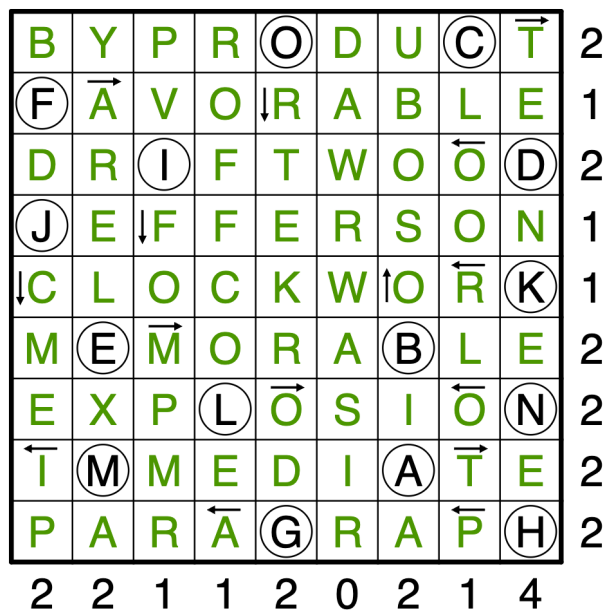
We were startled by a deafening e[REDACTED] of thunder in the distance, warning us of another storm incoming.	EXPLOSION
I quickly settled on a [REDACTED]bl[REDACTED] spot for the tents. This spot beside the river and near the start of the mountain trail was good enough for our needs.	FAVORABLE
Considering the impending storm, our [REDACTED]e concern was to set up camp to ensure the supplies stayed dry.	IMMEDIATE
While tidying the area where I wanted to pitch my tent, I found a weathered two-dollar bill with [REDACTED]n on it, which I had never seen before, so I tucked it away as a keepsake.	JEFFERSON
After the storm passed, we were greeted by a truly m[REDACTED]e sight: a double rainbow shimmering across the sky.	MEMORABLE
Our first day was already very eventful and I will endeavor to write at least a p[REDACTED] every day to document this experience.	PARAGRAPH

For the words that were ambiguous, the next day's clues will help narrow down the choices. The coffee words are intended to be placed into the grid, one letter per cell. However, the words are out of order – the words need to be placed so that the letter in each tent cell corresponds to its owner's first initial.

The statements in Day 2 will help determine which person is in each tent and the direction their tent is facing. After the logic in Appendix B, we get the following.



Filling in the words based on the tent positions will result in the following grid.



To extract, we need to take the letters directly in front of each tent. For example, Othello's tent is facing to the south, so the letter in front of his tent is R.

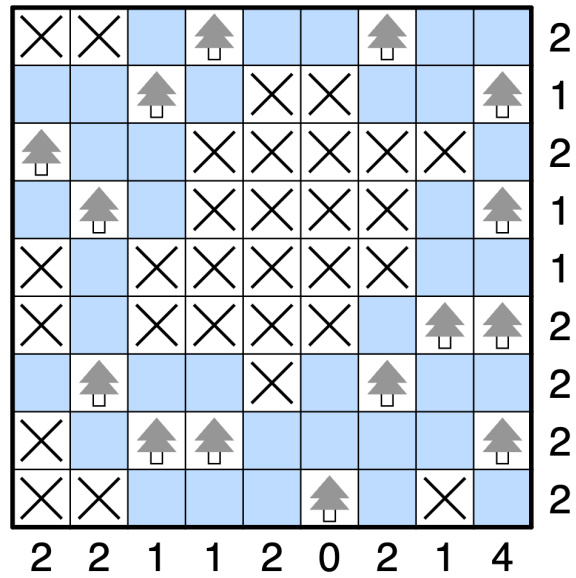
The ordering is given by the roll call list.

Name	Letter in front of tent
Othello	R
Lily	O
Daniel	O
Alison	T
Ivan	F
Kane	R
Nancy	O
Eden	M
Cara	T
Farzin	A
Hope	P
Menno	I
Benji	O
Jamie	C
Greg	A

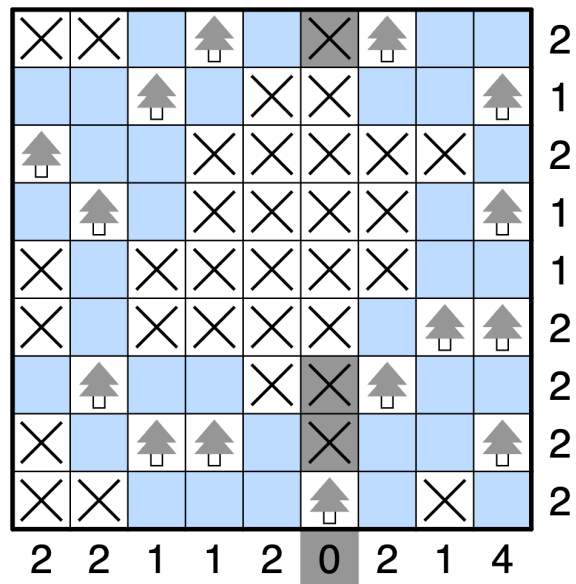
This gives the cluephrase ROOT FROM TAPIOCA, which refers to the answer, **CASSAVA**.

Appendix A: Step-by-step logic puzzle solution

1. Consider only the squares that are next to trees.



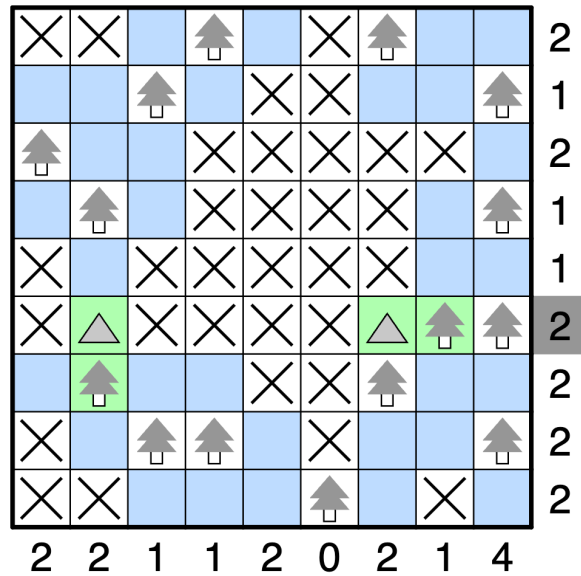
2. Cross out rows and columns that have 0 tents.



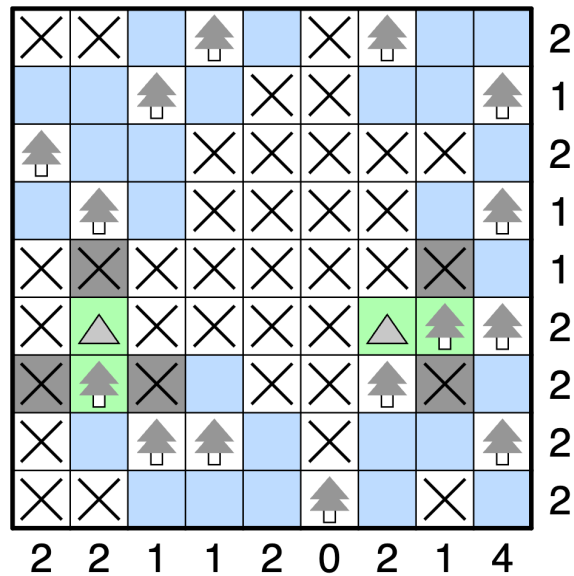
3. There is one row that has just enough spaces for tents.

The left tent is only next to one tree, so it must be attached to that tree.

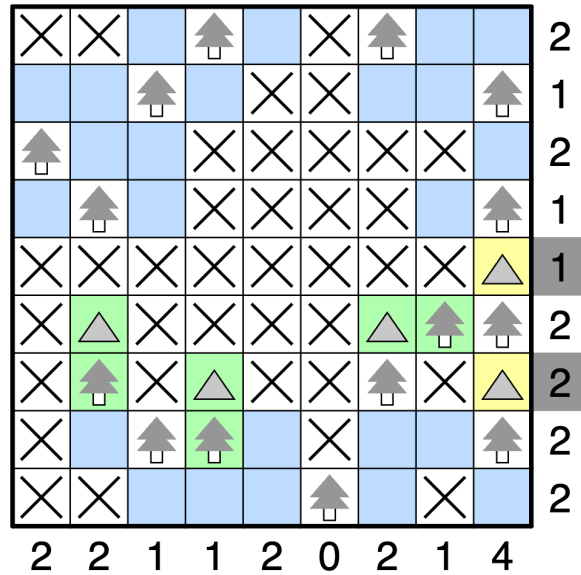
For the right tent, one of the trees next to it has all other neighboring squares X-ed out, so the tent must be attached to it.



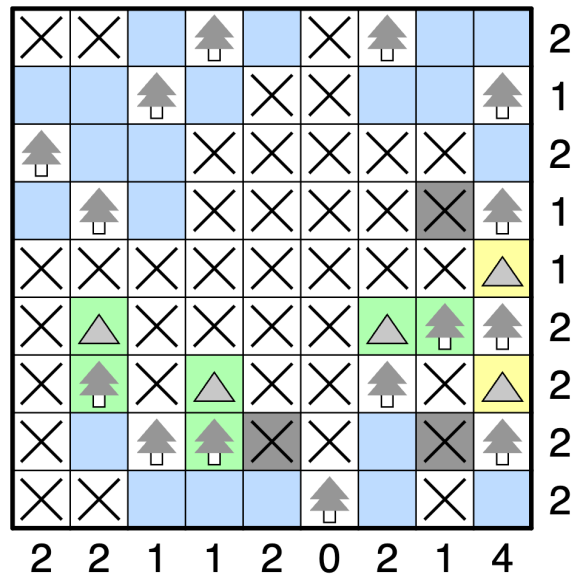
4. Cross out all the squares adjacent to the tents.



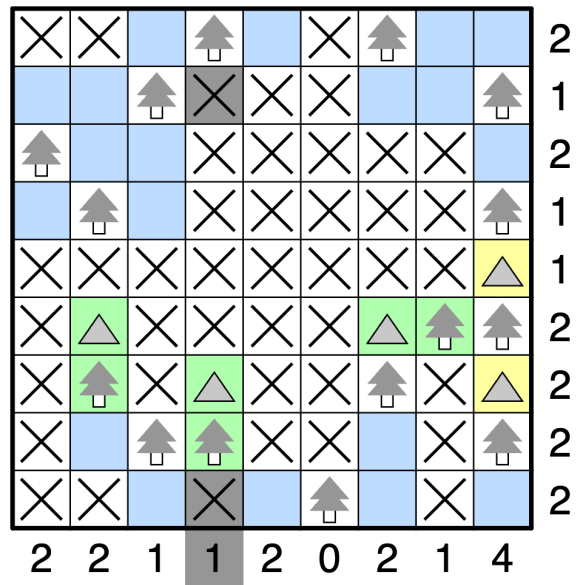
5. There are two more rows which we can fill in the tents for.
For some tents (marked in yellow), it isn't possible to determine which tree it is attached to yet.



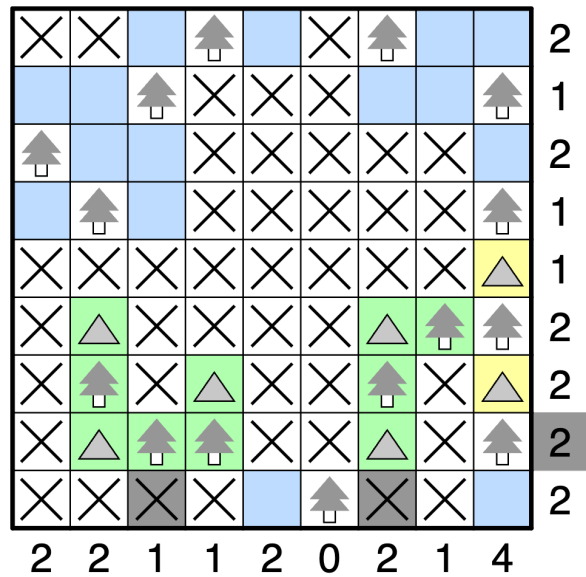
6. Cross out the squares adjacent to the new tents.



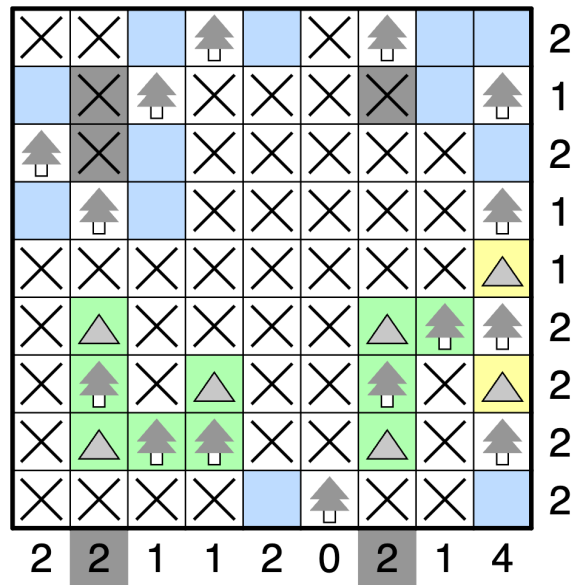
7. One of the columns has fulfilled its tent count so the remaining spaces can be crossed out.



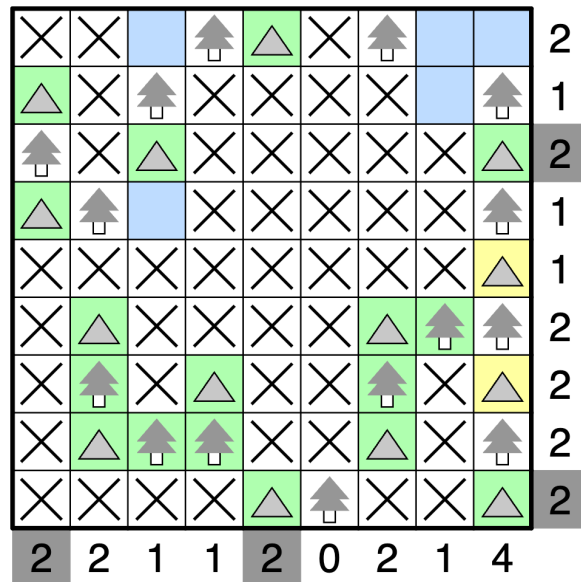
8. Another row can be filled, and the neighboring cells crossed out.



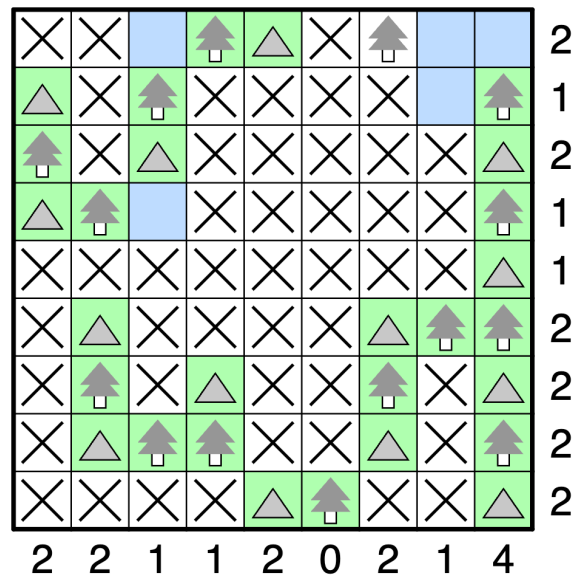
9. Two more columns have fulfilled their tent count, so we can cross out the remaining squares in those columns.



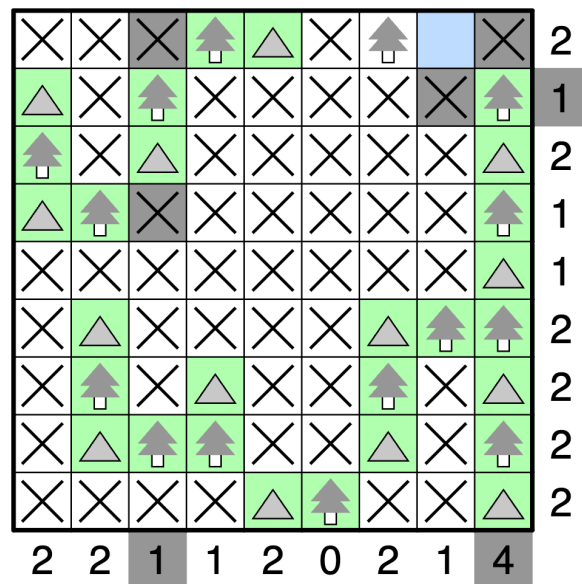
10. Four more rows and columns can be filled in.



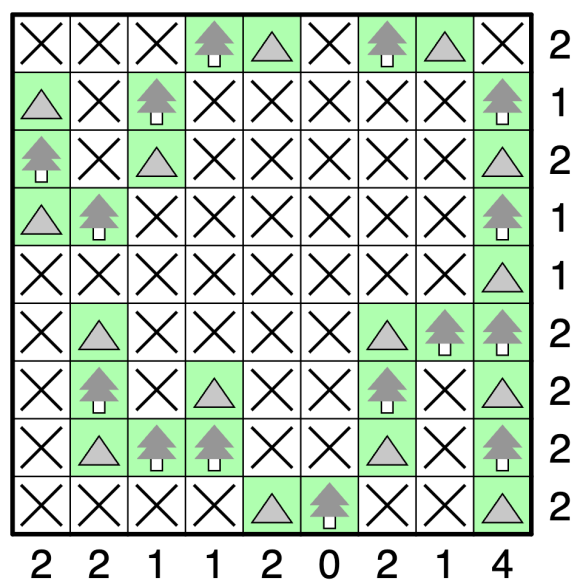
11. Notice that the right-most column has been filled, so we now know which tent is attached to which tree. The other tents can also be assigned to trees.



12. We can eliminate squares for the rows and columns that have met their tent quotas.



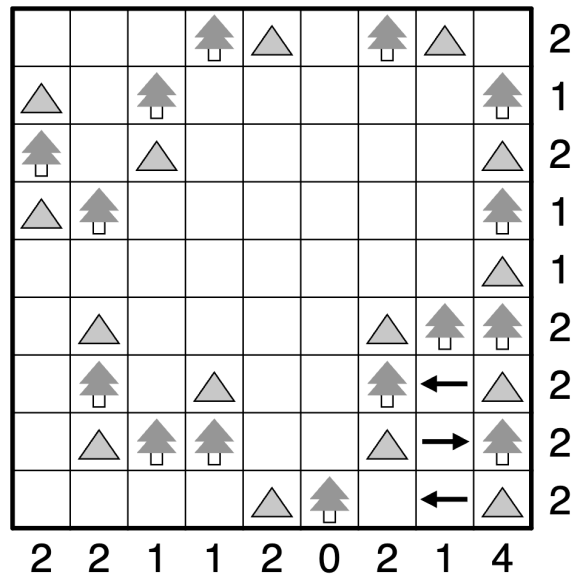
13. And finally, we can place the last tent!



Appendix B: Step-by-step guide for tent assignments

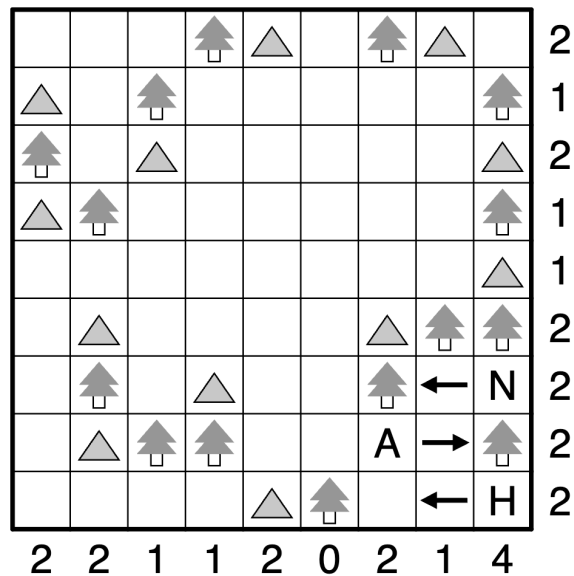
1. "Alison, Nancy, Hope pitched their tents near each other so all of their tents opened into three consecutive spaces."

The only location this is possible is in the bottom right corner of the grid.



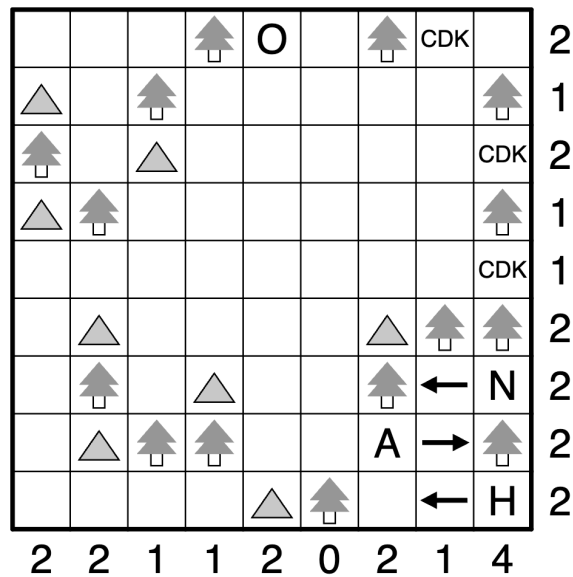
2. "Nancy wedged her tent between two trees, while Alison preferred to face away from the fire."

This allows us to assign the three tents to their owners.



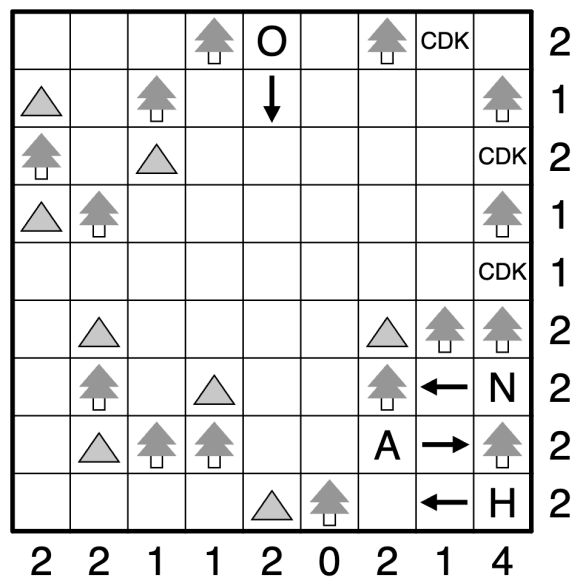
3. "We set out on our expedition for the mountains to the northeast, though we had to take a detour to exit the camp from the north, passing right next to my tent, since Cara, Daniel, and Kane's tents blocked the more direct paths out of the camp."

This tells us that Othello's tent is the tent in the north. Cara, Daniel, and Kane's tents are in the north east.

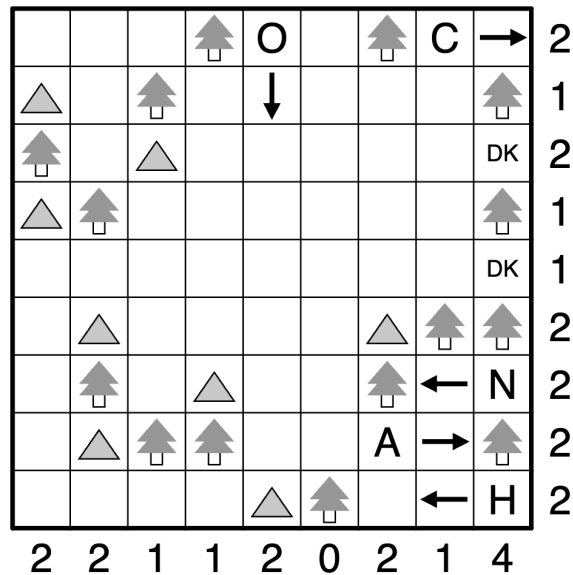


4. "My tent was facing the fire."

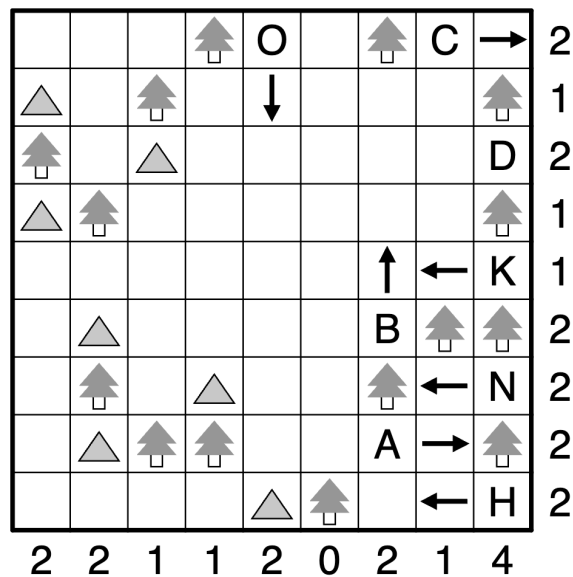
Othello's tent is facing south.



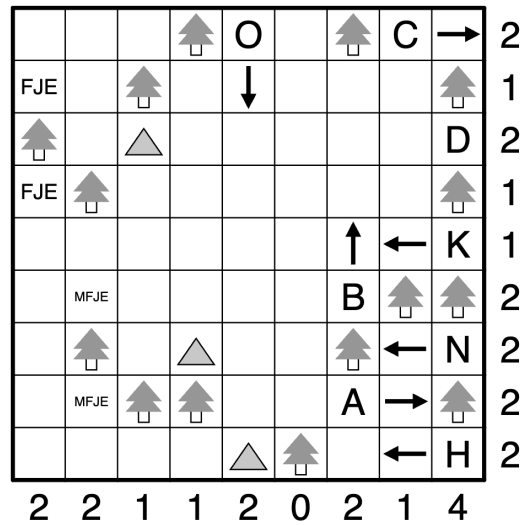
5. "[Cara's] tent entrance was accessible from outside of base camp"
 Of the three tents that Cara can be in, the only tent with a space that can be accessed from outside of basecamp is the top-most one.



6. "Benji and Kane were the first ones awake and decided to sit in front of their respective tents to chat with each other quietly."
 Of the two tents that Kane can be in, only the bottom one would let Kane chat with Benji quietly.

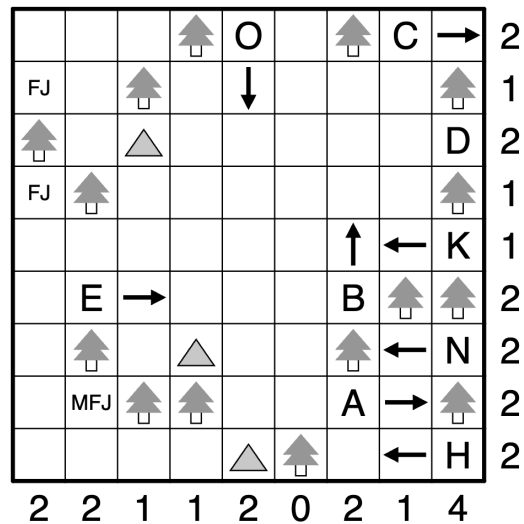


7. "We watched the sun set in the west across the river. Menno is fond of water, so they had pitched their tent to face directly towards the river. Farzin, Jamie, and Eden's tents did not, despite all being close to the river as well."

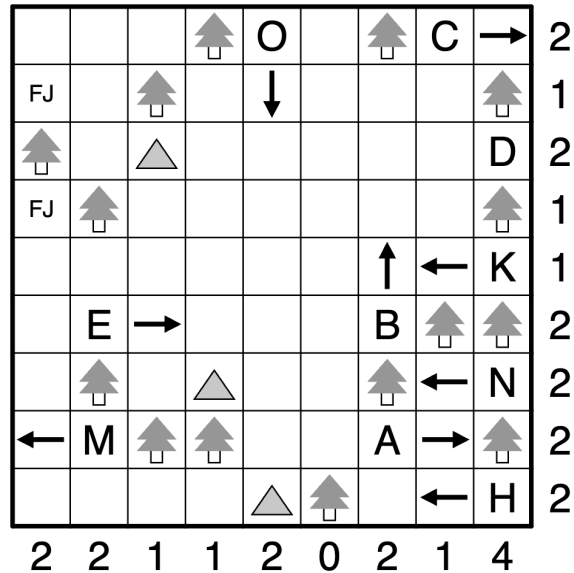


8. "In the evening, a strong breeze blew smoke roughly towards the southwest. Eden zipped her tent tightly to keep the smoke from drifting in."

This lets us narrow down Eden's tent and direction.

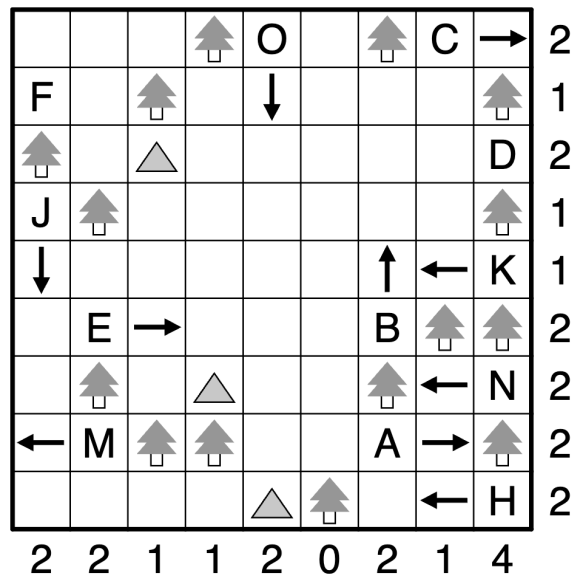


9. This also leaves only one tent that Menno can be in, since the cell in front of each tent must be within the boundaries of the grid (as given by the ranger's guide).



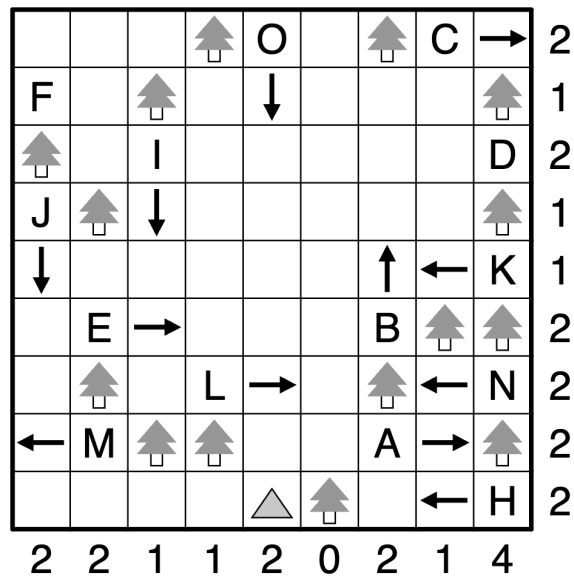
10. "Jamie could only face her tent in one direction, because the other directions were all blocked."

Of the two tents that Jamie can be in, the bottom one is blocked in all directions but one.

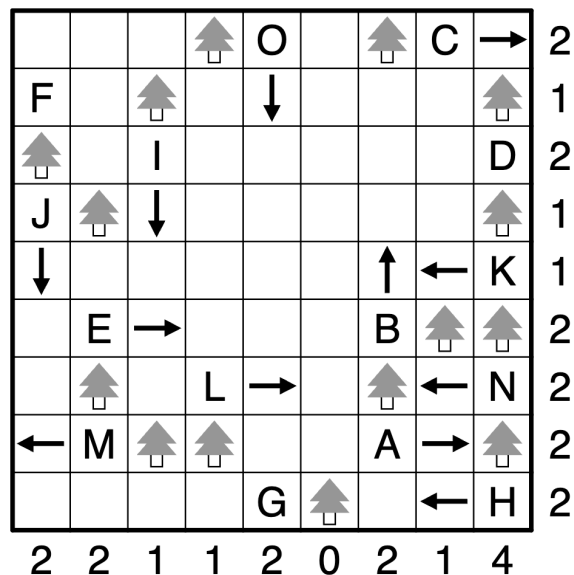


11. "Lily's tent was facing the same direction as Eden's, but luckily the smoke went past her tent. Ivan also zipped his tent, in case the smoke started to drift north into his tent."

This lets us place Lily and Ivan's tents based on the rough directions given.



12. By process of elimination, the last tent must be Greg's tent.



13. "I noticed that Benji is the only one who faced their tent to the north."

To determine the directions of the remaining tents, use the process of elimination. None of the tents can be north, so each tent has only one possible direction left.

				O			C	→	2
F	→			↓					1
		I					←	D	2
J		↓							1
↓						↑	←	K	1
	E	→				B			2
			L	→			←	N	2
←	M					A	→		2
			←	G			←	H	2
2	2	1	1	2	0	2	1	4	