

## Fuzzy Logic

*Fuzzy's been kidnapped! All we know is that he's being subjected to lie-detector tests to figure out what he knows about puzzles!*

A few months ago, the radical wing of BAPHL managed to capture several Fuzzkin prisoners and interview them for close to a month. Shortly thereafter, our records were hacked by unknown perpetrators and we've only managed to recover a few of the transcripts. Hopefully you can put them together to find something useful.

Fuzzkins have a peculiar habit – each one has a compulsive pattern of lying and truth telling. On any particular day, each will either be a truth-teller or a liar, and every statement they say will either be the truth or a lie, respectively. Even more peculiarly, each one has a "Lie Number". A Fuzzkin with a Lie Number of 1 tells the truth all the time. One with a Lie Number of 2 tells the truth on Day 1, lies on Day 2, and then the pattern repeats. One with a Lie Number of 5 tells the truth on Day 1, lies on Days 2 through 5, and then the pattern repeats. No Fuzzkin has a Lie Number greater than 6.

- Day 1, Athena: In two days, Jeanine will be a liar.
- Day 13, Athena: At least half of us are truth-tellers today.
- Day 17, Athena: Evelyn is a truth-teller today.
- Day 2, Bunyan: In three days, Duffman will be a liar.
- Day 11, Bunyan: Fievel and Glenda do not have the same Lie Number.
- Day 26, Bunyan: Exactly one of us has a Lie Number of 6.
- Day 6, Charles: Either Fievel will be a liar tomorrow or Isolde was a liar yesterday.
- Day 15, Charles: Today, at least one of Athena, Isolde, and Jeanine are truth-tellers.
- Day 23, Charles: Jeanine has the same Lie Number as Glenda.
- Day 7, Duffman: Yesterday, Bunyan was a liar.
- Day 14, Duffman: Hudson's Lie Number is prime.
- Day 20, Duffman: Jeanine's Lie Number is odd.
- Day 3, Evelyn: I will be a truth-teller either tomorrow or the next day.
- Day 19, Evelyn: Bunyan is a liar today.
- Day 1, Fievel: No one's Lie Number is 1.
- Day 8, Fievel: My Lie Number is even.
- Day 22, Fievel: I was a liar two days ago and will be again tomorrow.
- Day 1, Glenda: In four days, Athena will be a liar.
- Day 5, Glenda: In seven days, every one of us will be a liar.
- Day 2, Hudson: In two days, Bunyan will be a truth-teller.
- Day 10, Hudson: Either Bunyan was a liar yesterday, or Charles will be a truth-teller tomorrow.
- Day 21, Hudson: Ten days ago, Glenda was a truth-teller.
- Day 9, Isolde: Today, at most one of Duffman, Glenda, and Hudson are truth-tellers.
- Day 16, Isolde: Duffman is a liar today and so is Jeanine.
- Day 25, Isolde: Two days ago, exactly one of Athena, Charles, and Glenda was a truth-teller.
- Day 4, Jeanine: Charles lies less than 75% of the time.

