Assignment 1: Tetris Puzzle

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1. What interesting properties does your polyomino piece have within the systems of Tetris? Why?

The interesting properties of my polyomino piece within the systems of Tetris is that the piece is 6 polyominos long on the long side. Additionally the piece has 2 o tetronimos in it connected by a single polyomino. The 2 o tetronimos allow for unique strategies with other pieces like the T, J, S, Z, L and I pieces, letting players leave 1 polyomino exposed and covering it with my new piece.

2. What interesting relationships does your piece sequence have with the board state within the envisioned play session? Why?

During my envisioned play session I decided to start from the beginning and play it as an actual tetris board which made it hard to complete so I used my piece far less than I had hoped to. But the relationship of my piece to the board was; My piece was able to almost completely fill a large empty section with polyominos which helped in the clearing of the board.

3. How do you expect your board state to provide an interesting challenge to players? Consider objects, properties, behaviours, and relationships.

I expect the board state to provide an interesting challenge to players by utilising a lot of singular polyomino pieces as one-offs around the board which will make it difficult for players to complete the board. The one-off pieces means that my new piece and the L,J,S,Z, and T pieces have more use than the I and O pieces.