E1

This definitely looks helpful. Since you are trading off exactness, I couldn't tell a few things from the representations:
1. Are there multiple rings in Fig. 3 within the first column or just one ring shown as two rings
2 . In Fig. 5, its difficult to tell which processes are involved in the butterfly and which aren't
3. Also, in the same figure, the overlapping patterns are now shown as a single pattern (x2) so the order in which they occur (or nesting) gets lost.

I don't have a good sense of if trading away this accuracy for a better representation will be useful to people. Then again, the main question is what are the use cases for people trying to look at a communication pattern of >64 processes.

E2

Some thoughts/questions:

- Distance seems to be an important variable for determining how things draw, but it's not clear to me what are the scenarios where distance is an important variable for analysis. What are the use cases for needing distance?
- What's going to be the mechanism for translating to the symbol? Will you have a library of pattern -> symbol mappings? Or be able to compute a symbol from a pattern?
- Would patterns be useful for visualizing collectives in the trace?