Captions to diagrams presented on plates.

Plate 1
D:1. Pixel ST diagram of a solitonic collision of chosen four filtrons.
D:2-9. A sequence of collisions of three filtrons: 102, $(10300000)^5$ and 10302.

Plate 2
D:10. Collision of six filtrons shown on symbolic ST diagram in Fig. 15.
D:11. Six filtrons collide solitonically.
D:12. Solitonic collision of six objects: five filtrons and a complex breather.
D:13-16. Some collisions of six filtrons when looking for a solitonic interaction.

Plate 3
D:17, 18. Solitonic collisions of seven filtrons.
D:19-21. Non-solitonic collisions of seven filtrons.
D:22. Collision of nine filtrons which is 'almost' a solitonic one.

Plate 4
D:23-34. Possible interactions between filtrons and breathers of the automaton F_3.

Plate 5
D:35-40. Various interactions of the filtrons and complex ("heavy") breathers; F_3.

Plate 6
D:41, 42. Fusion of a breather and a bundle of filtrons to a complex breather.

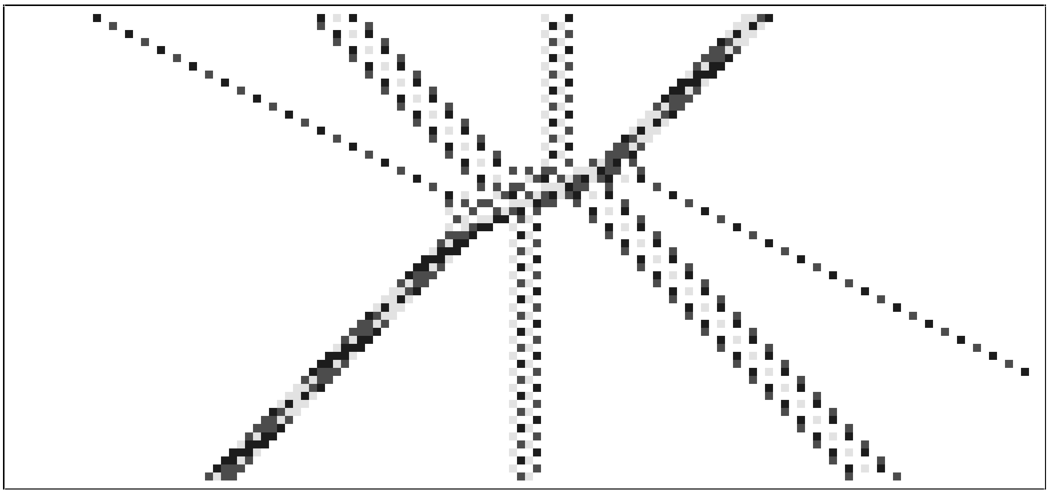
Plate 7
D:43-49. Fusion of a breather and a filtron to q-filtrons.
D:50, 51. The same pair of objects as in D:43-49 may collide in a quite different way.

Plate 8
D:52-60. How a bundle of fleeting filtrons does interact with a q-filtron.

Plate 9
D:61-66. Solitonic and non-solitonic collision of the unstable complex filtron with the two other filtrons. Initial positions differ only with some separating zeros.

Plate 10
D:67. Fusion of two filtrons issuing a q-filtron; after 212 iterations it decays spontaneously onto three different filtrons.
D:68, 69. Quasi-filtron is capable of colliding solitonically; its decay is preserved.
D:70. Fission of the q-filtron.
D:71. Before the fission the q-filtron collides solitonically.
D:72. Three filtron fusions to some q-filtrons which decay spontaneously (their life times are: 66, 212 and 160 steps).
The right hand side of the ST diagram presents an interaction of two fleeting filtrons with a bundle of eight filtrons. Notice two phenomena: an instantaneous jump over the bundle by the first fitron, and immediate change of the bundle speed caused by the second filtron.

Plate 1



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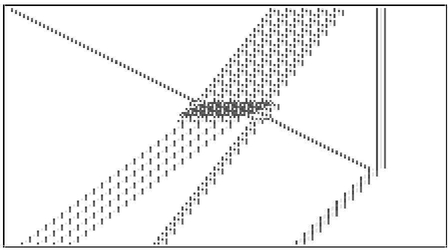
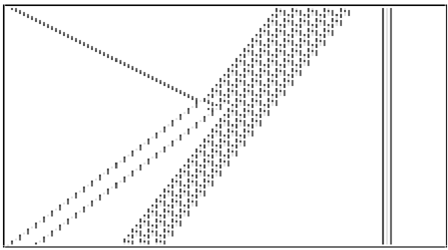


D:2 $\cdot\cdot 01020^{128}(10300000)^{5}0^{13}103020\cdot\cdot$



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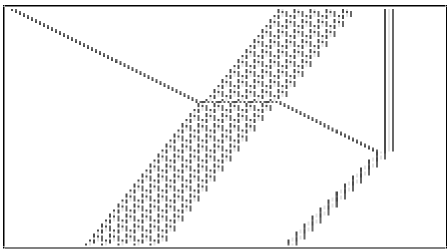
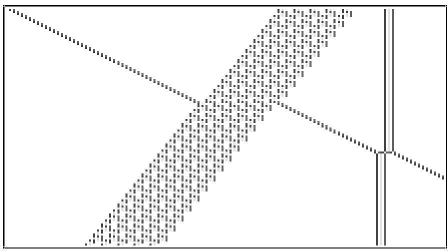
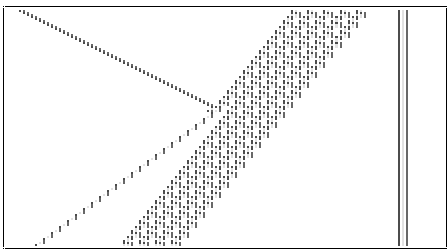


D:4 $\cdot\cdot 01020^{130}(10300000)^{5}0^{13}103020\cdot\cdot$



D:5 $\cdot\cdot 01020^{131}(10300000)^{5}0^{13}103020\cdot\cdot$



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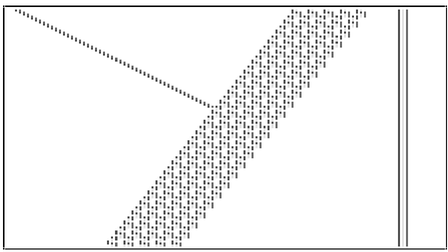
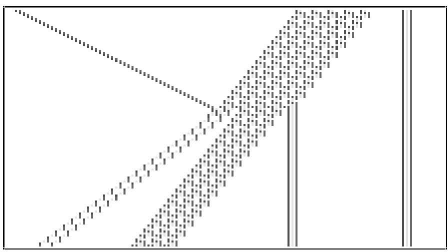


D:7 $\cdot\cdot 01020^{135}(10300000)^{5}0^{13}103020\cdot\cdot$



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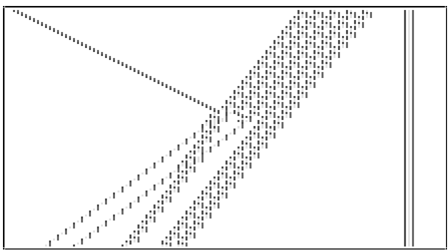
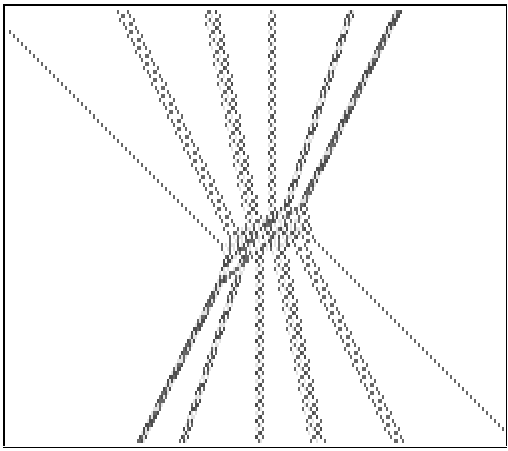


D:9 $\cdot\cdot 01020^{139}(10300000)^{5}0^{13}103020\cdot\cdot$

Plate 2



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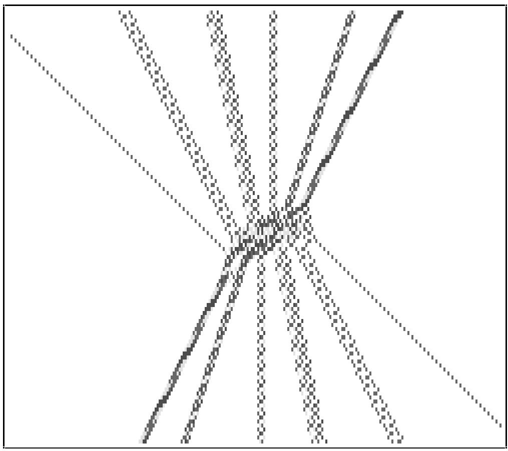

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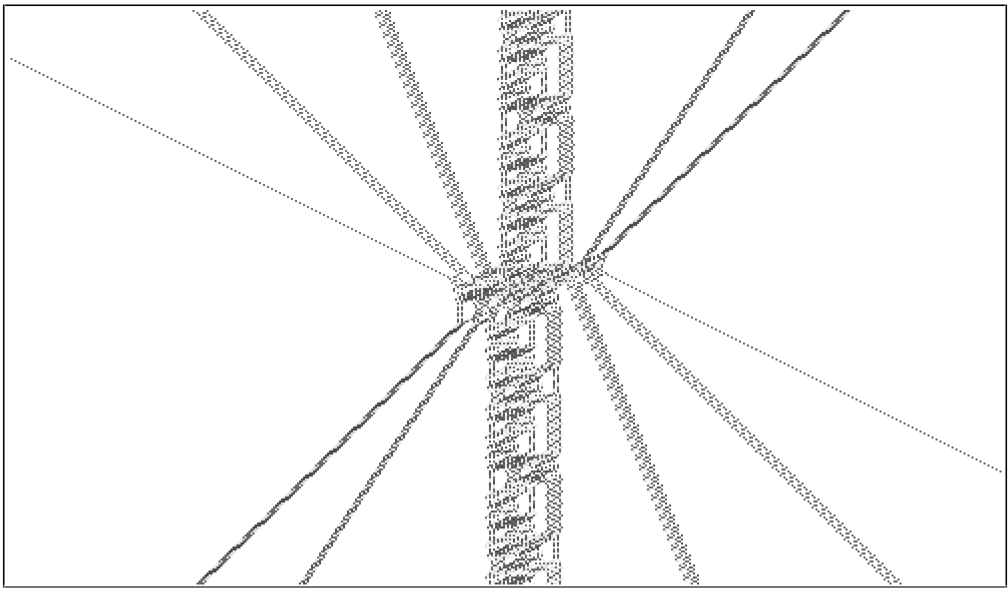

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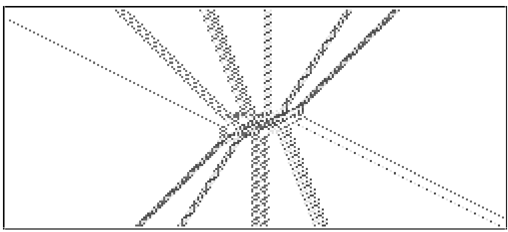

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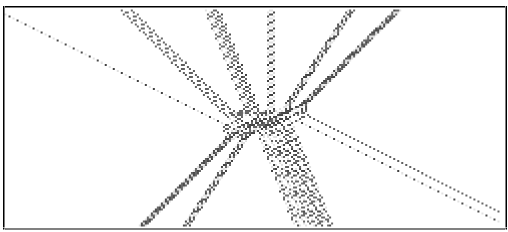

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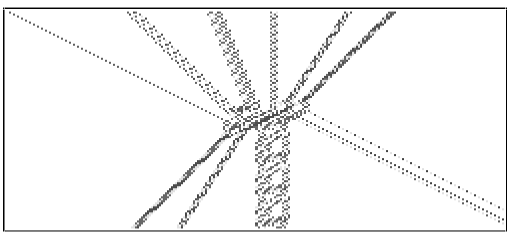

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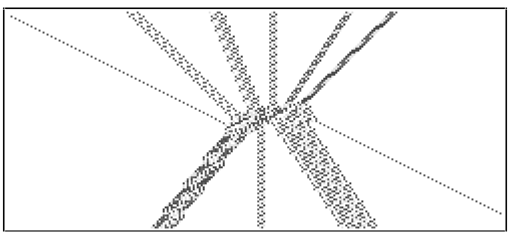

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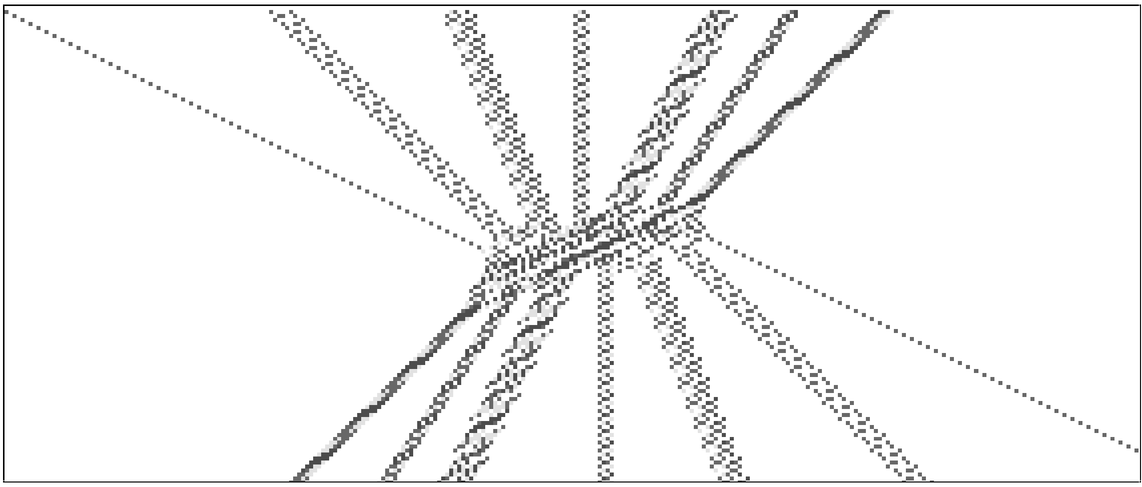
Plate 3



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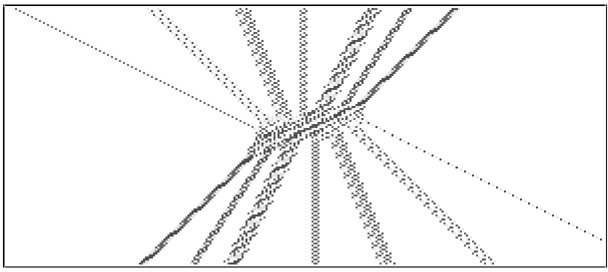

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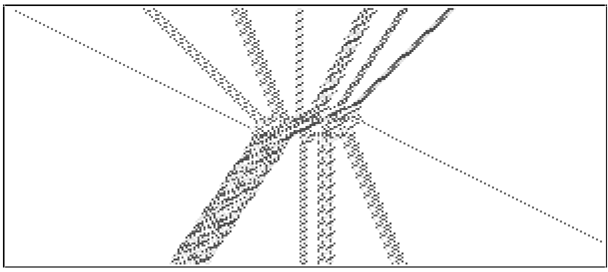

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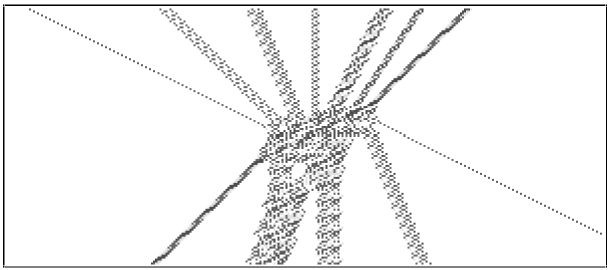

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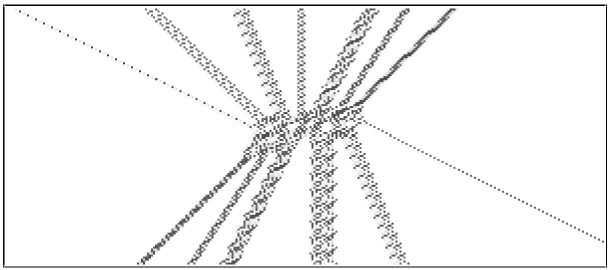

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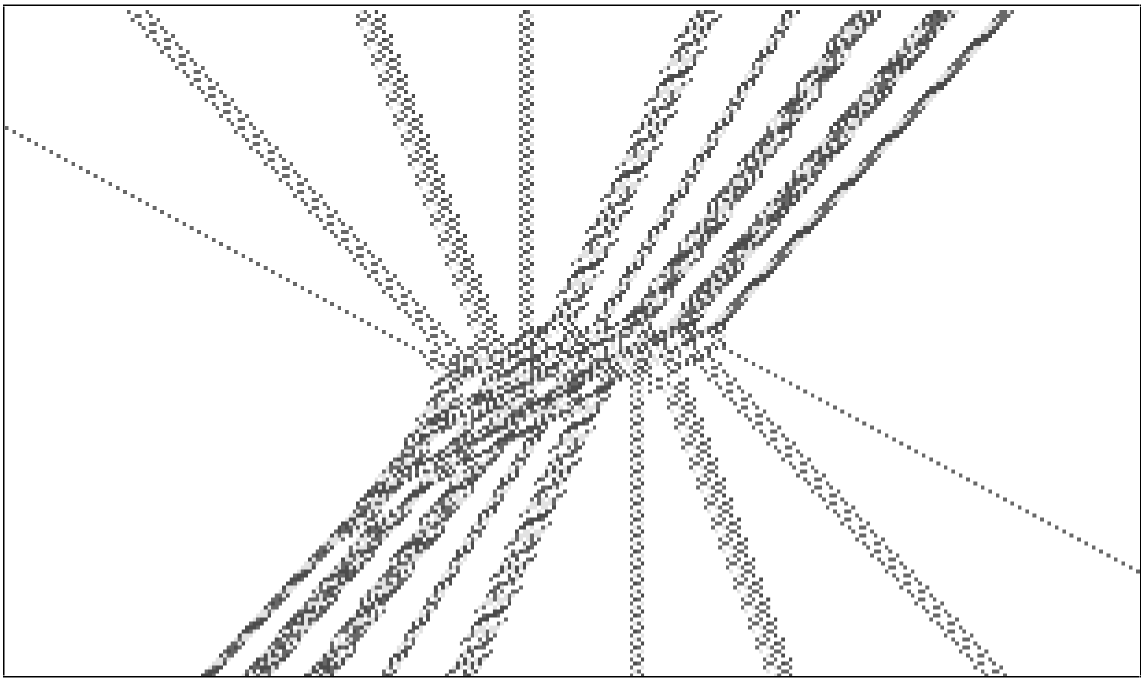

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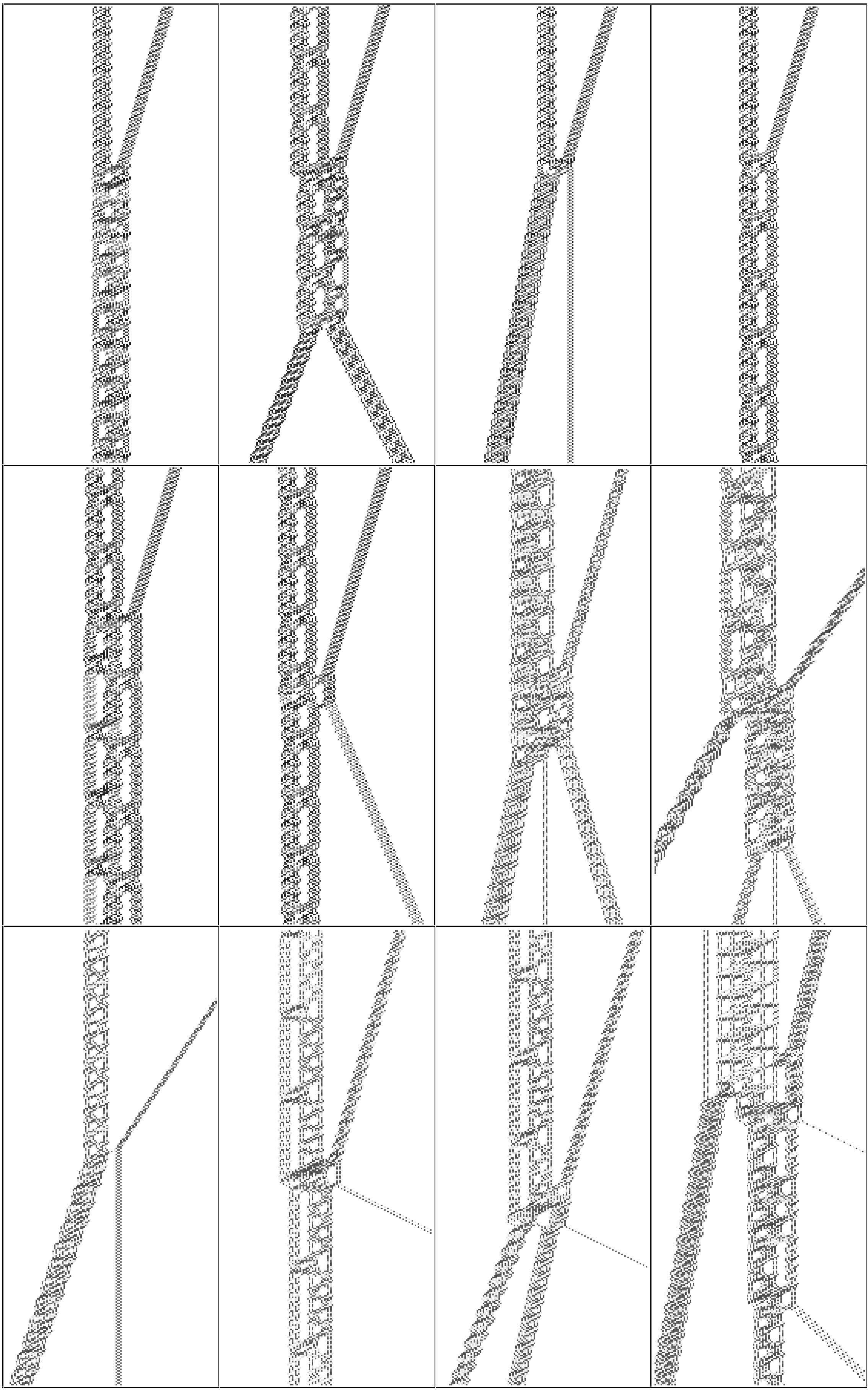
Plate 4. Diagrams D:23-26, D:27-30, D:31-34



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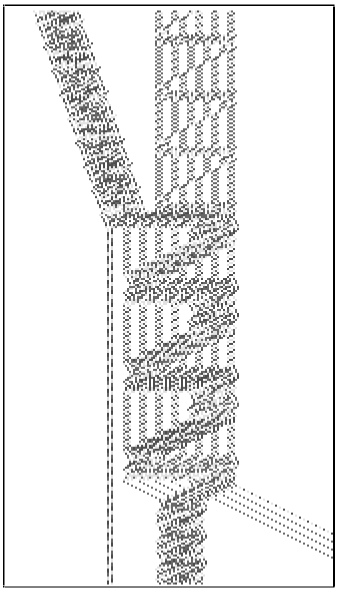

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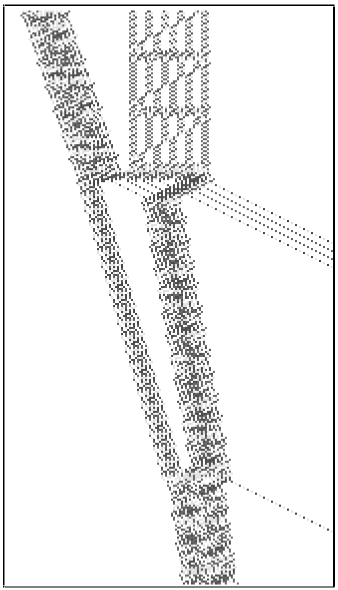

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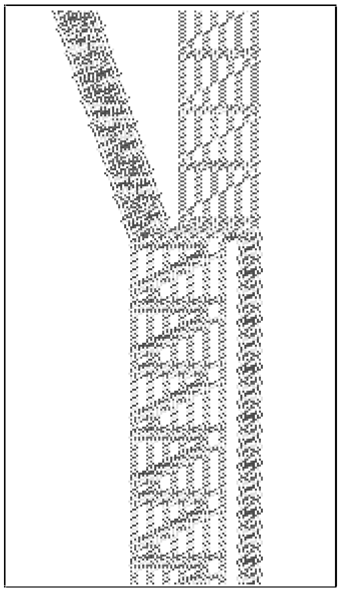

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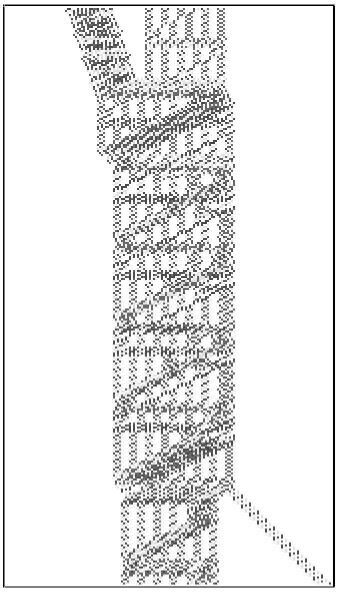

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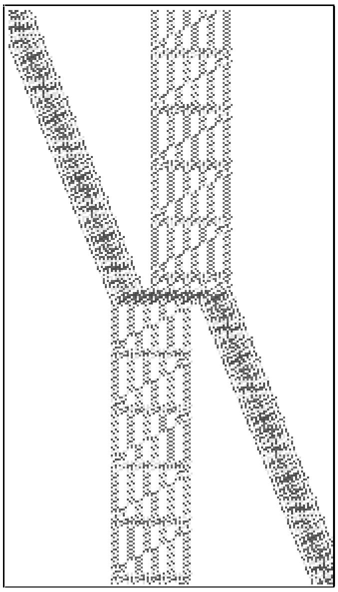

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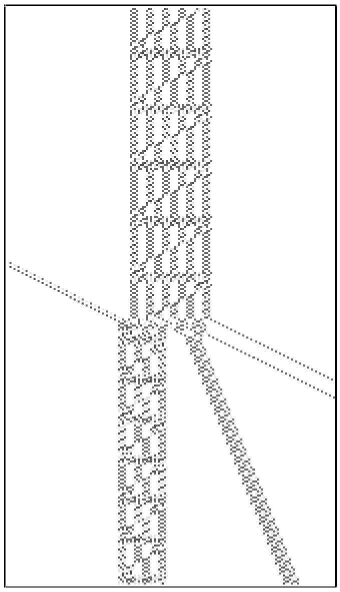

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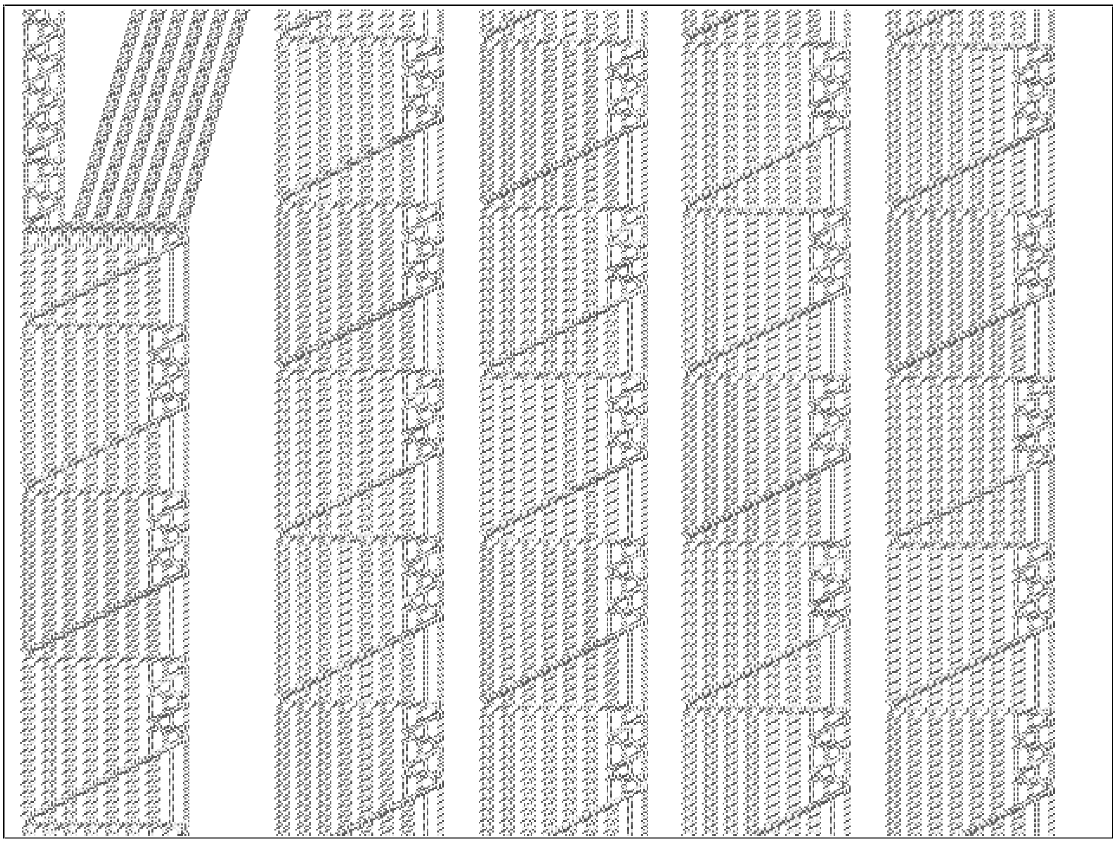
Plate 6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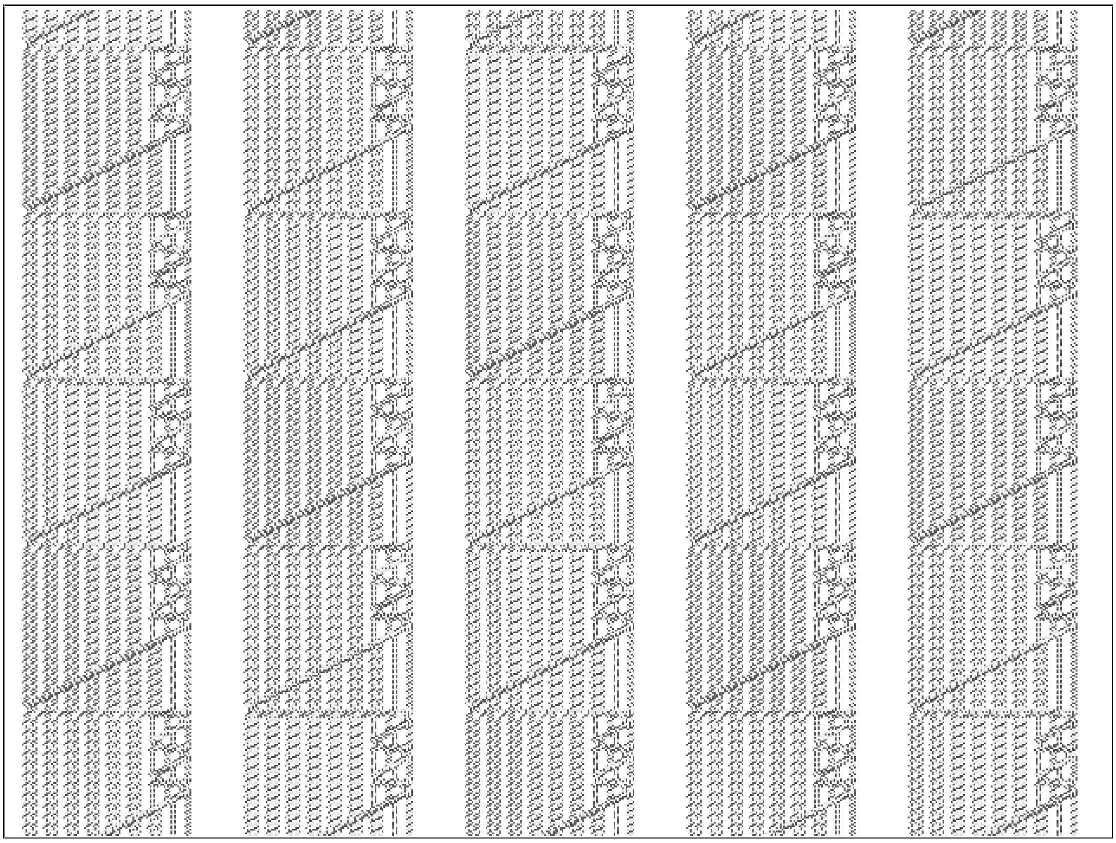
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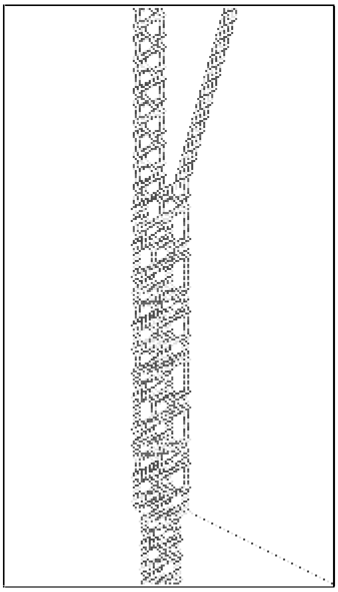

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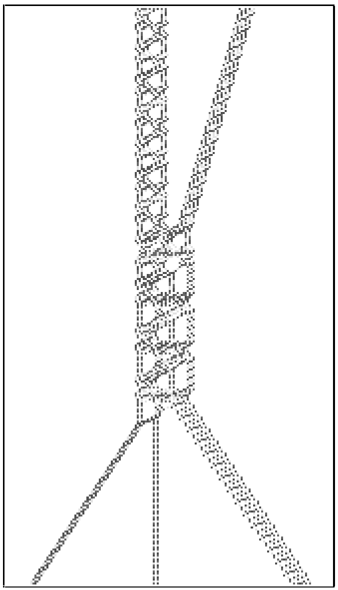

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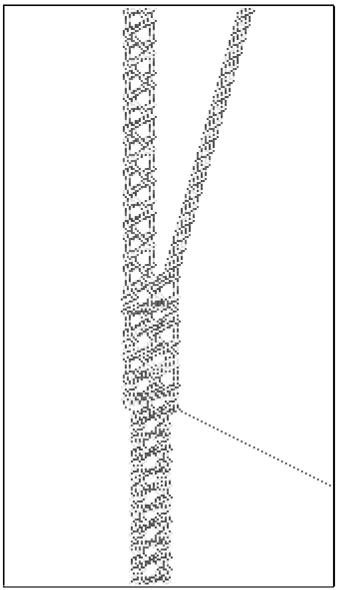

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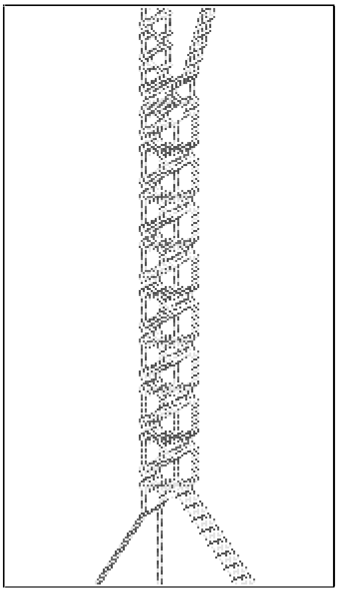

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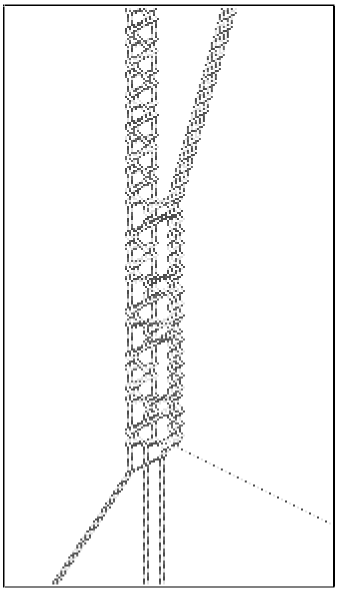

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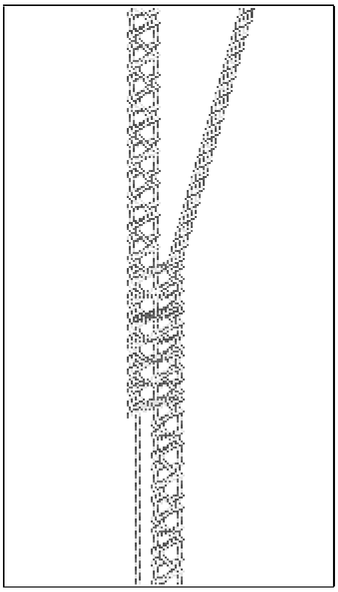

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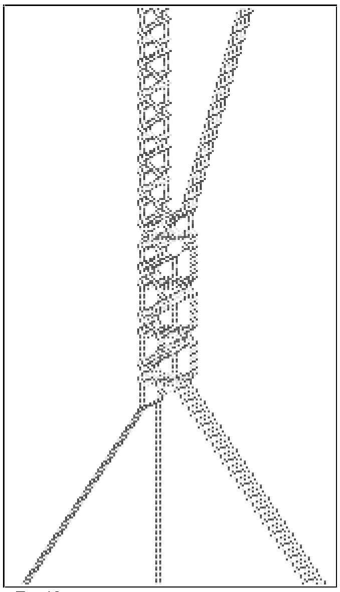

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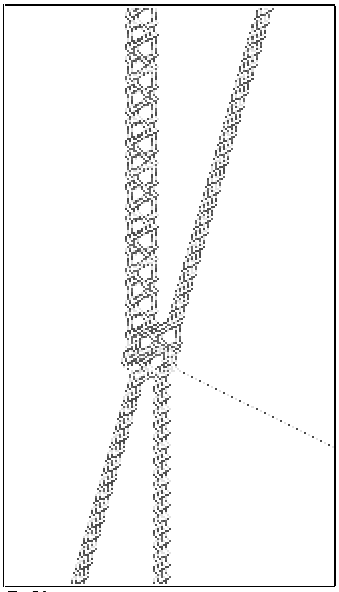

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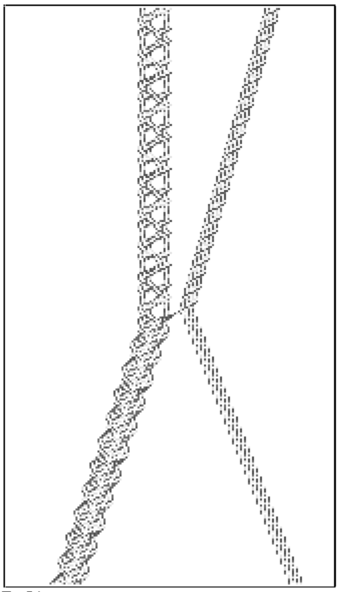

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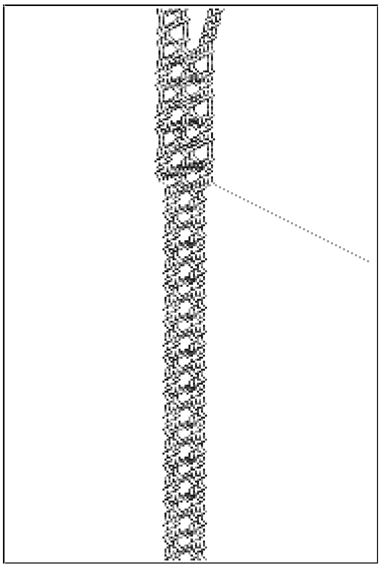
Plate 8



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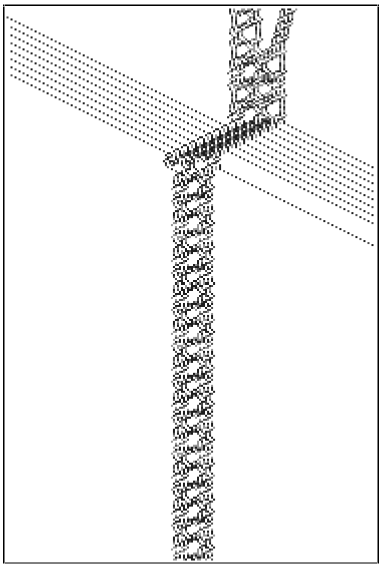

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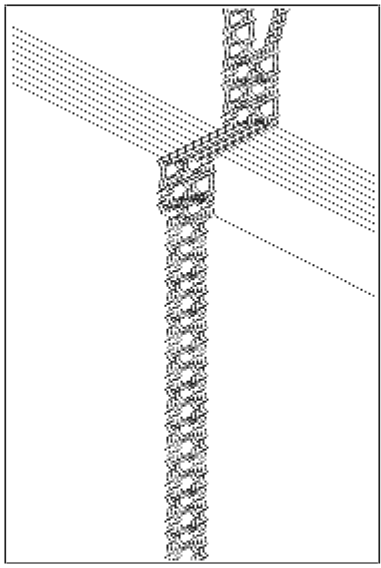

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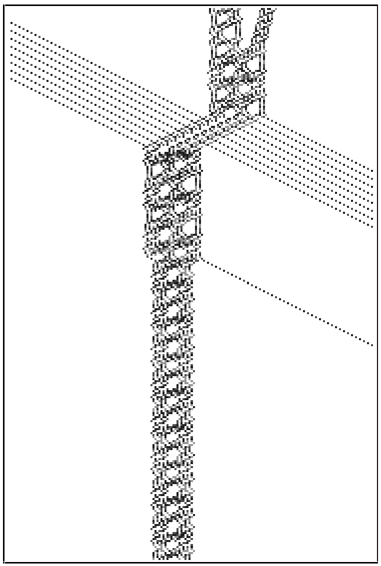

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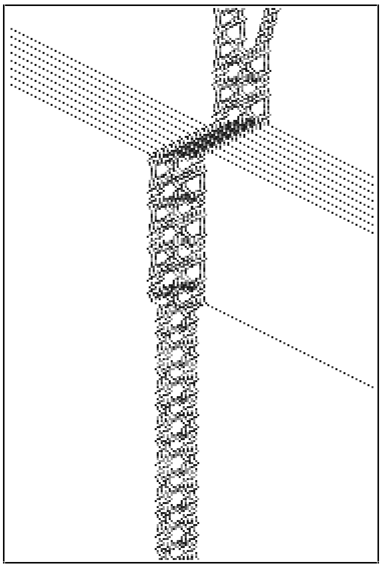

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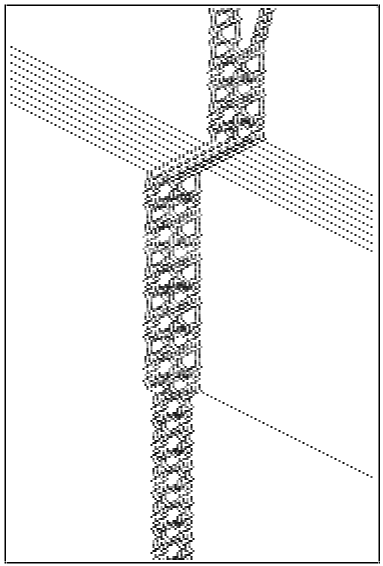

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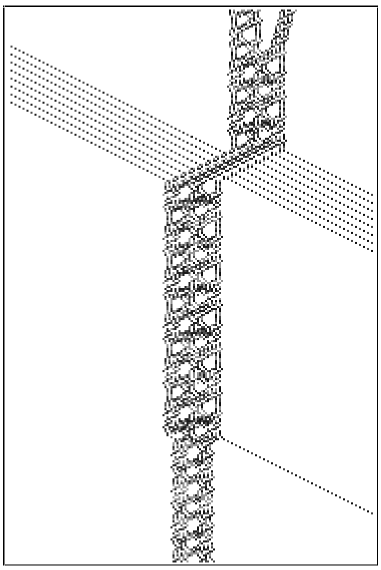

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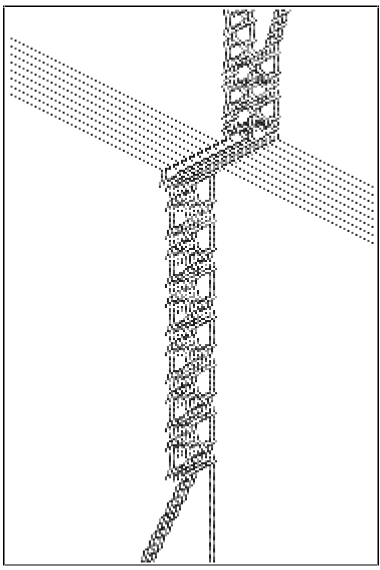

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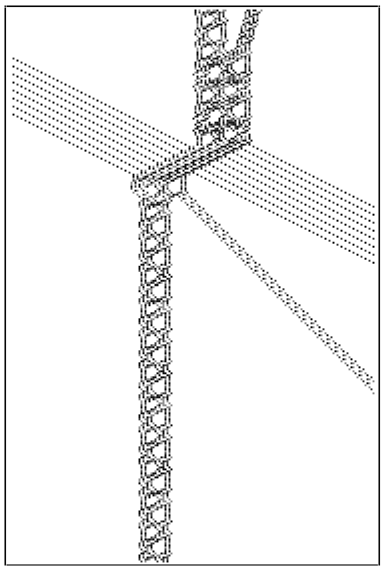

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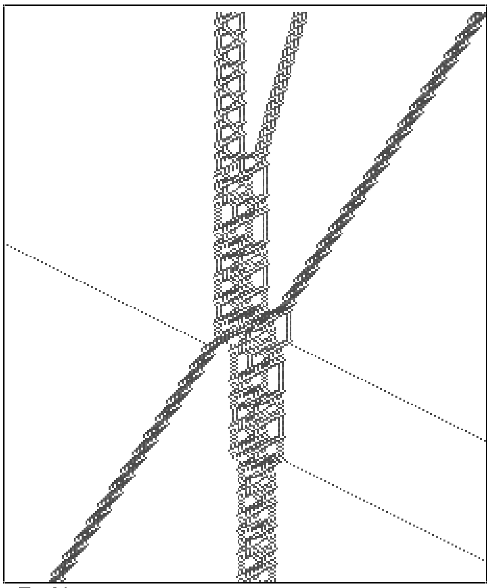
Plate 9



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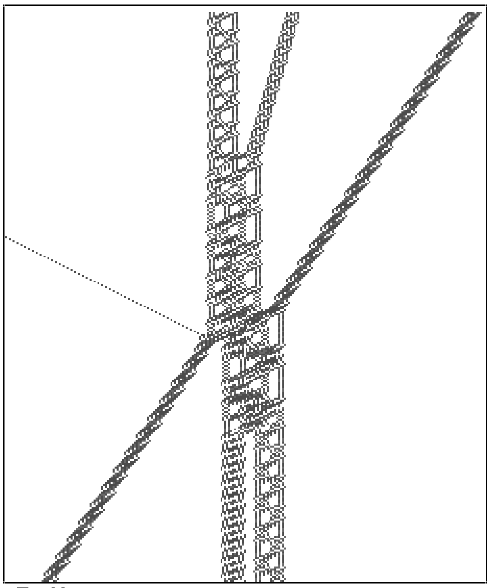

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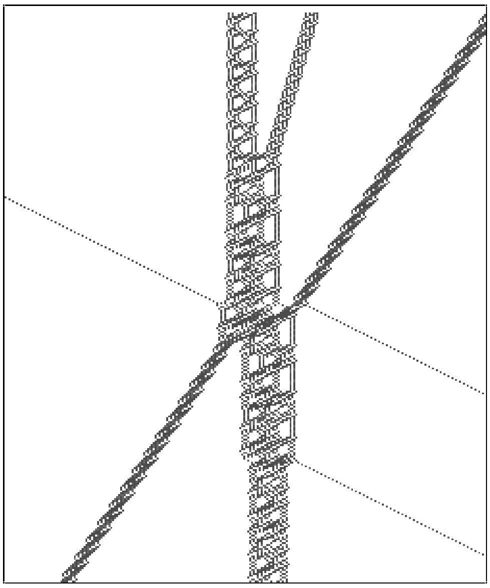

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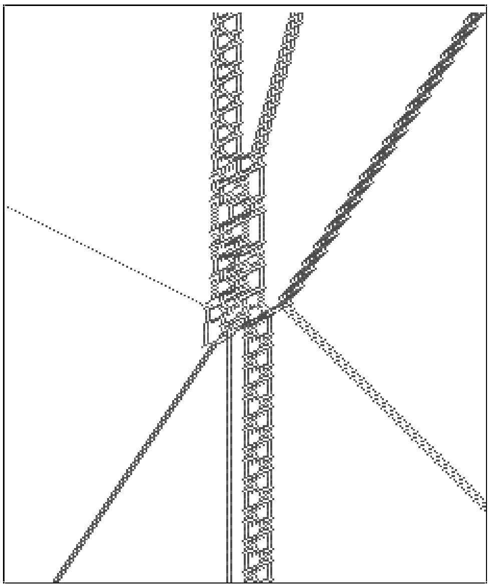

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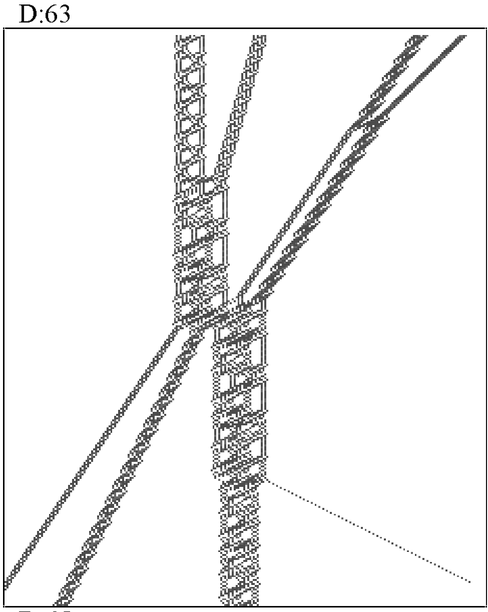

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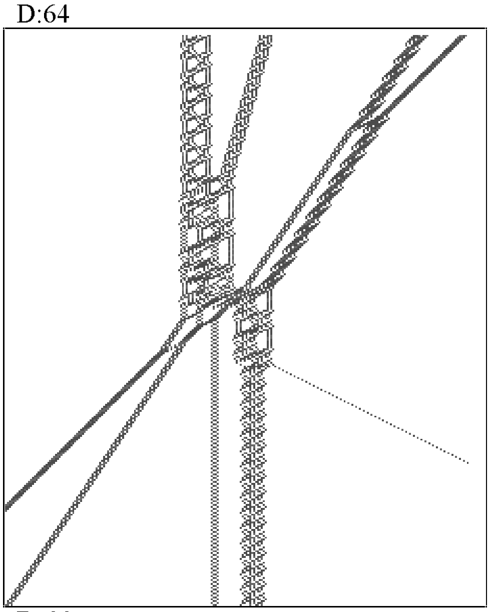

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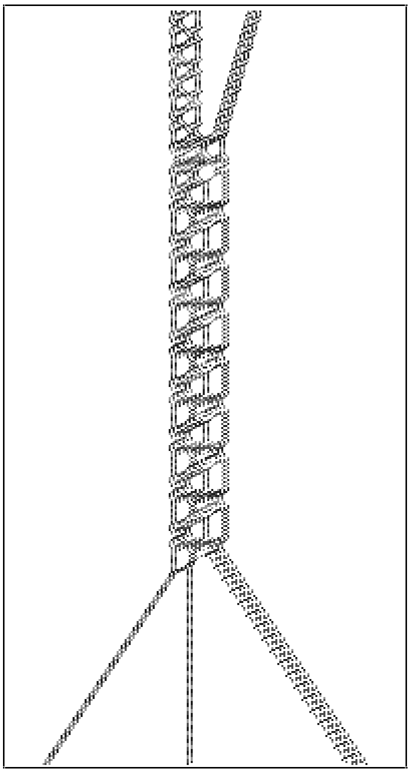
Plate 10



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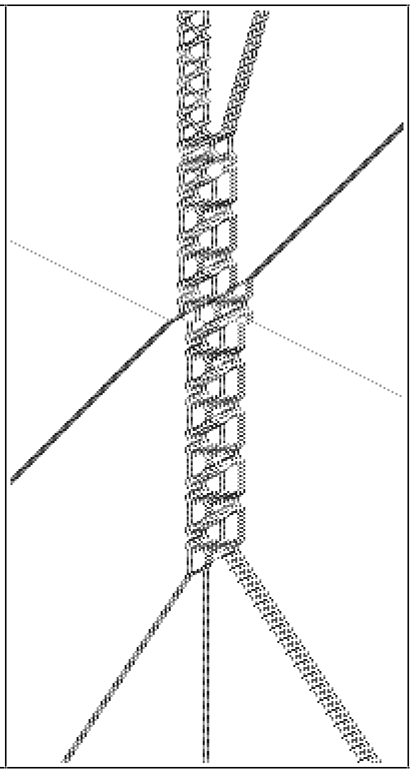

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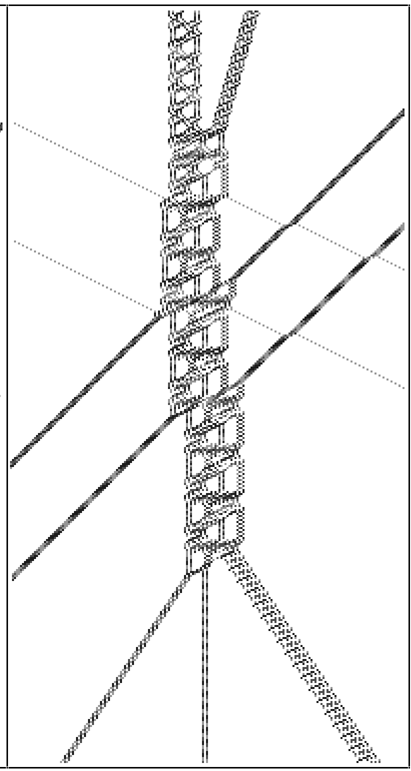

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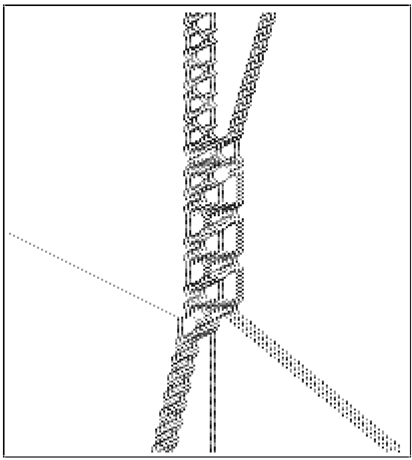

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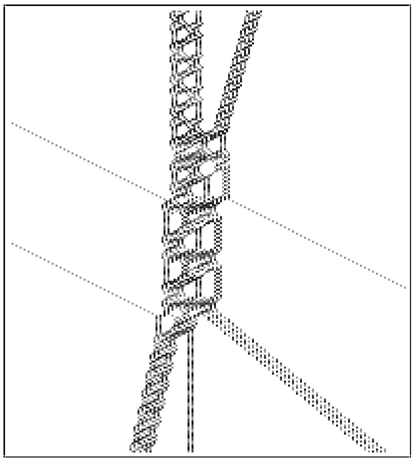

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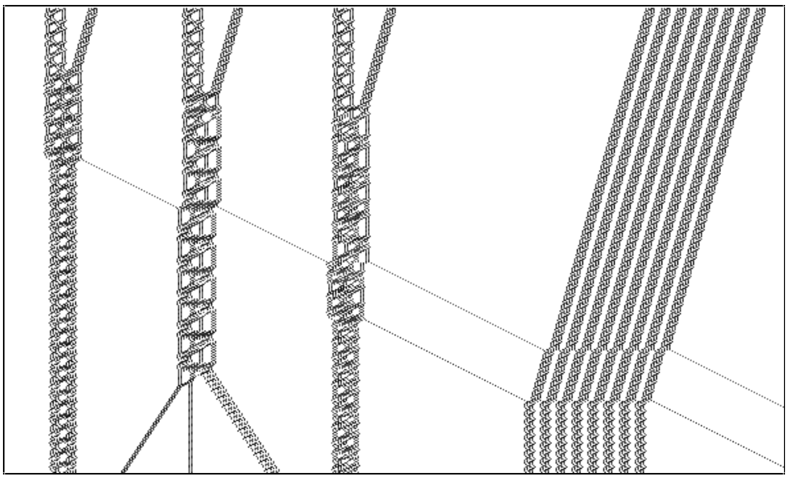

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