Special Project
$\mathcal{W}eaving$

Prerequisite Concepts	Concept 12,
Key Concepts	Concept 13, 16, 18
Bricklayer Version	1.2.3 or higher

When implemented in a 129×129 virtual space, the following fabric specification creates the LEGO® artifact shown in Figure 1.

$$
\begin{aligned}
ring1 &= \text{n} \quad \text{BLUE} \quad (0,0) \\
ring2 &= \text{n} \quad \text{YELLOW} \quad (0,128) \\
ring3 &= \text{n} \quad \text{RED} \quad (128,0) \\
ring4 &= \text{n} \quad \text{GREEN} \quad (128,128) \\[6pt]
fabric &= \quad (ring1_{r+1}; ring2_{r+1}; ring3_{r+1}; ring4_{r+1};)_0^8
\end{aligned}
$$

Before building this artifact it is recommended that you complete all Vitruvia exercises for Concepts 13, 16, and 18.
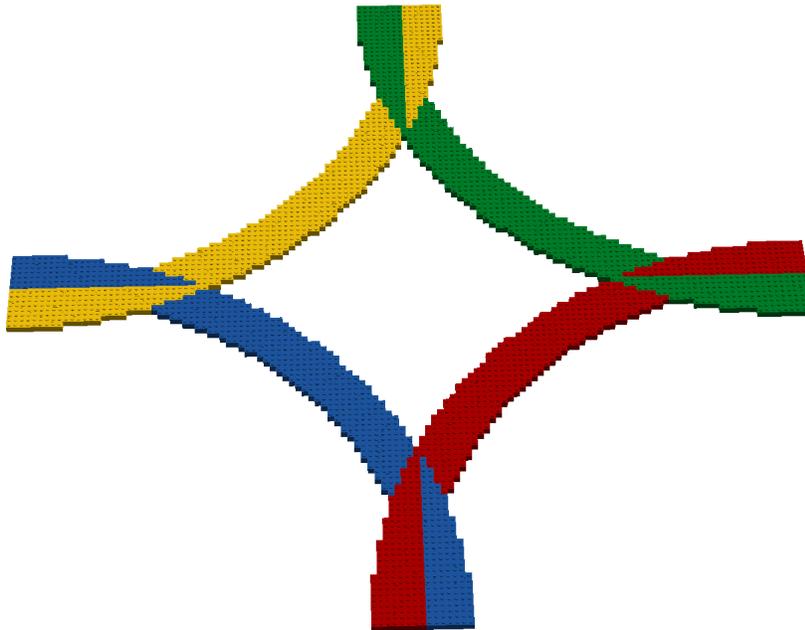

Figure 1: A $\mathcal{B}ricklayer$ fabric.