# 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 $129 \times 129$ virtual space, the following fabric specification creates the LEGO$^{\circledR}$ artifact shown in Figure 1.

$$
\begin{aligned}
ring1 &= \text{n} \quad \text{BLUE } (0,64) \\
ring2 &= \text{n} \quad \text{YELLOW } (64,128) \\
ring3 &= \text{n} \quad \text{RED } (128,64) \\
ring4 &= \text{n} \quad \text{GREEN } (64,0)
\end{aligned}
$$

$$
fabric = \quad (ring1_{r+1}; ring2_{r+1}; ring3_{r+1}; ring4_{r+1}; )_0^8
$$

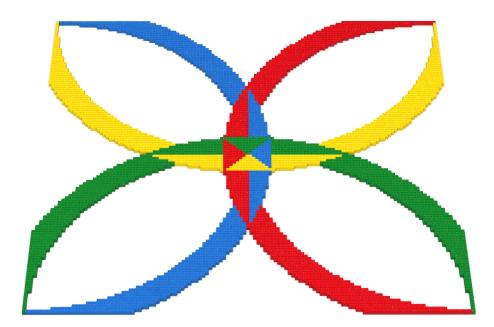Before building this artifact it is recommended that you complete all Vitruvia exercises for Concepts 13, 16, and 18.



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