

Weavable Color Patterns

	c ₁	c ₂	c ₃
r ₁	A	B	C
r ₂	C	B	A

Figure 1. A Labeled Grid

		A		
		c ₁	c ₂	c ₃
	r ₁	A	B	C
C	r ₂	C	B	A

Figure 2. First Labeling Step

		A	B	A
		c ₁	c ₂	c ₃
C	r ₁	A	B	C
C	r ₂	C	B	A

Figure 3. The Final Labeling

	c ₁	c ₂	c ₃
r ₁	A	B	C
r ₂	C	A	B

Figure 4. Another Grid

		A	A	B
		c ₁	c ₂	c ₃
	r ₁	A	B	C
C	r ₂	C	A	B

Figure 5. First Step in Labeling

	c ₁	c ₂	c ₃
r ₁	A	B	C
r ₂	D	E	F

Figure 6. A Pattern with Too Many Colors