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A small bakery produces two types of cakes: chocolate cakes and vanilla cakes. Each chocolate cake requires 1 cup of flour, 1 cup of sugar, and 1 egg. Each vanilla cake requires 1 cup of flour, 2 cups of sugar, and 2 eggs. The bakery has 8 cups of flour, 9 cups of sugar, and 8 eggs available. A chocolate cake sells for $6, and a vanilla cake sells for $13. The bakery wants to maximize its profit. How many chocolate cakes will it make?

**Answer**

A qr code with a white background

Description automatically generated

**Solution**

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