1.) Cutting an n-twist strip at the center line will result in how many components? Also, how long are the components?

Conjecture:

Experimental results ($n = 1$, $n = 2$, etc):

Answer:

Proof or reasoning:

2.) Cutting an n-twist strip at the distance d line will result in how many components?

Conjecture:

Experimental results ($\frac{1}{4}$, $\frac{p}{q}$ etc):

Answer:

Proof or reasoning:

3.) Cutting an n-twist strip at the distance d line results in how many boundary (∂) components from each strip component?

Conjecture:

Experimental results (n=1, n=2, etc):

Answer:

Proof or reasoning:

4.) How does the boundary of the n-twist strip relate to the distance d cutting?

Conjecture:

Experimental results:

Answer:

Proof or reasoning:

5.) When cutting an n-twist strip at the distance d line, how many twists are in each component?

Conjecture:

Experimental results:

Answer:

Proof or reasoning: