

B A
E DE

D E E E CE
E DE A D /
DE E D A?



Tyrocidine structure via wikipedia

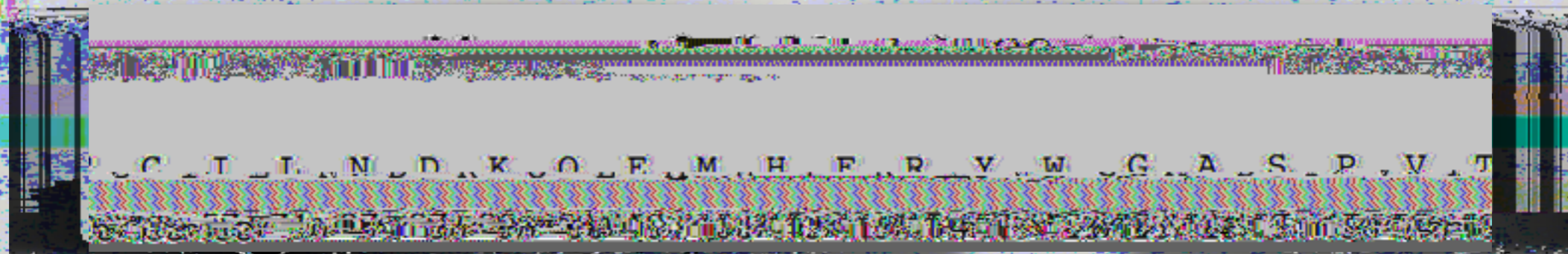
A' D FFE E BE EE A D
AD A E DE ?

- Linear peptides traditionally transcribed via ribosome from mRNA
- NRPs produced by non-ribosomal peptide sythetases (no mRNA)
 - Adds one amino acid at a time
- Produces linear peptide that then circularizes

A E C C C E D E E CED?

How?

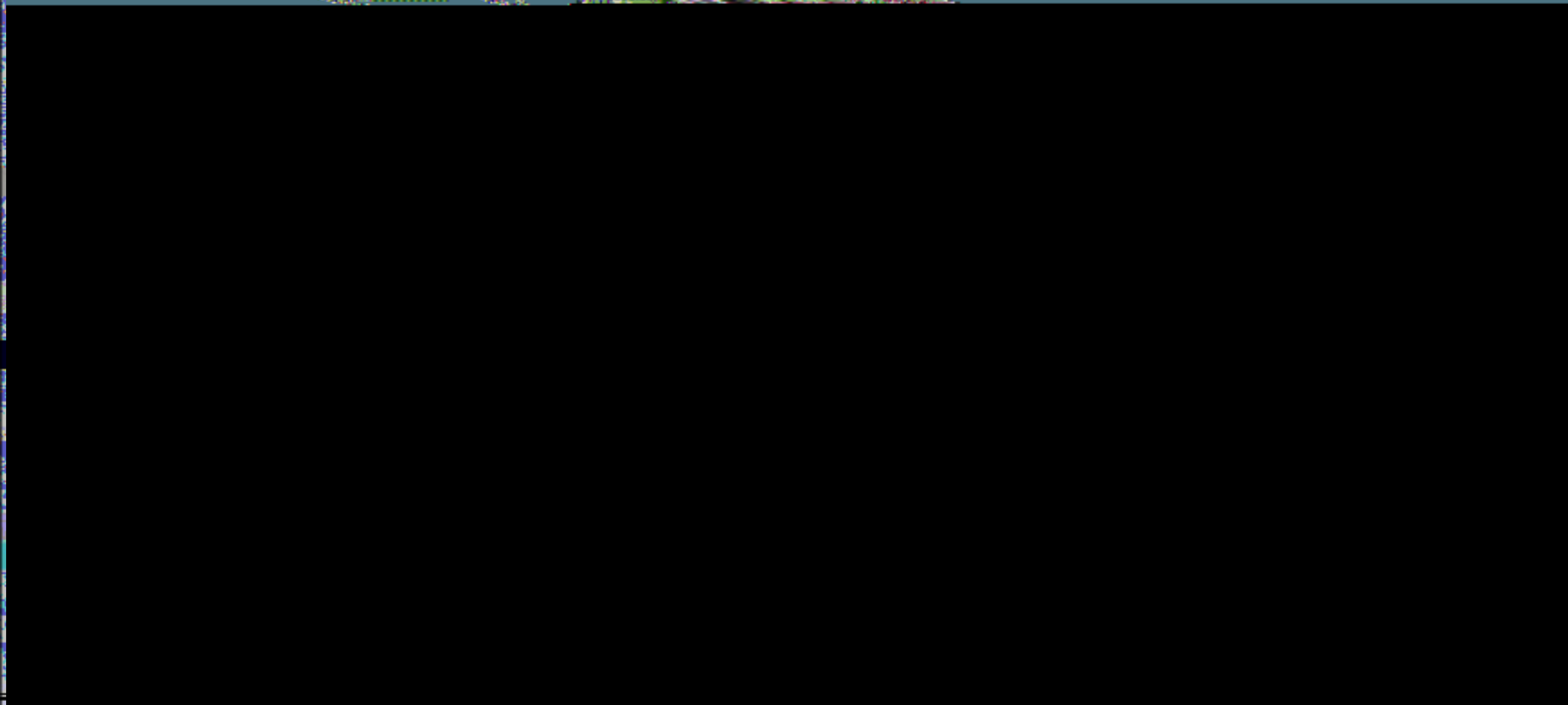
- We know the weights of each amino acid
- Can create a function to mimic gas chromatography
- GC: input - peptide, output - spectrum of the weights of all fragments



A E C C C E D E E E CED?

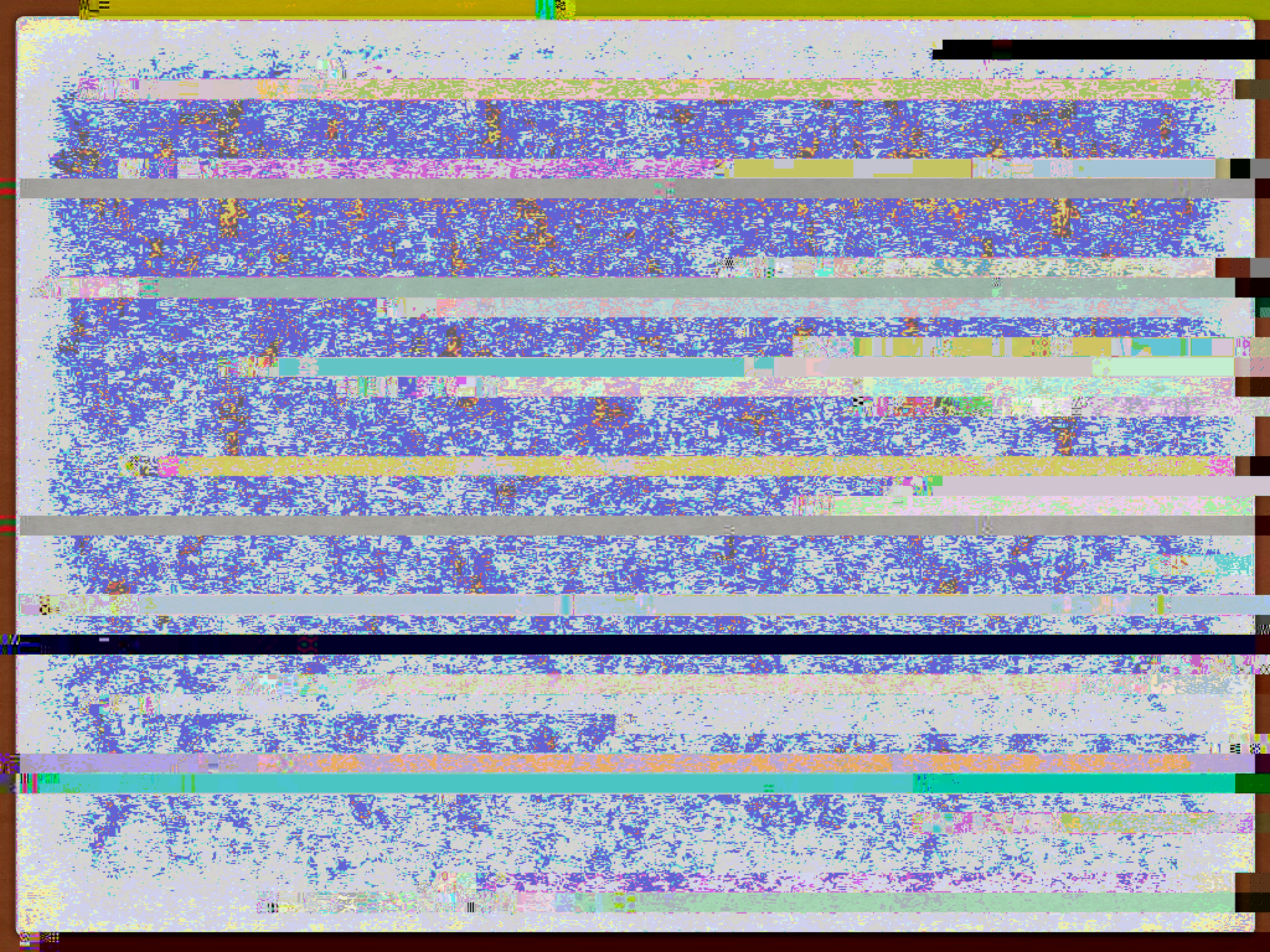
T	112		
		N	114
		O	128

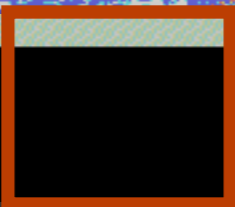
NQEL



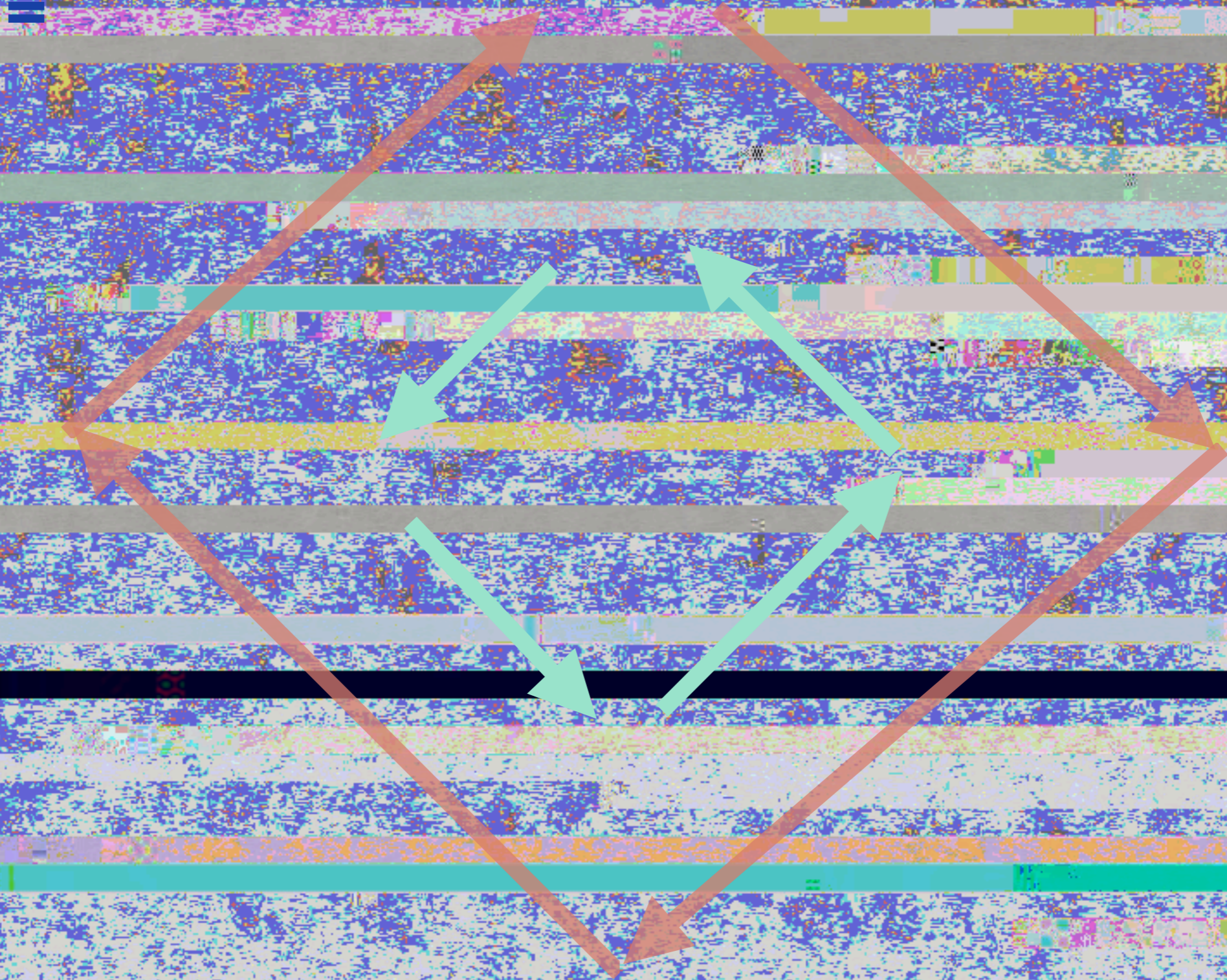
A E C C C E D E E CED?

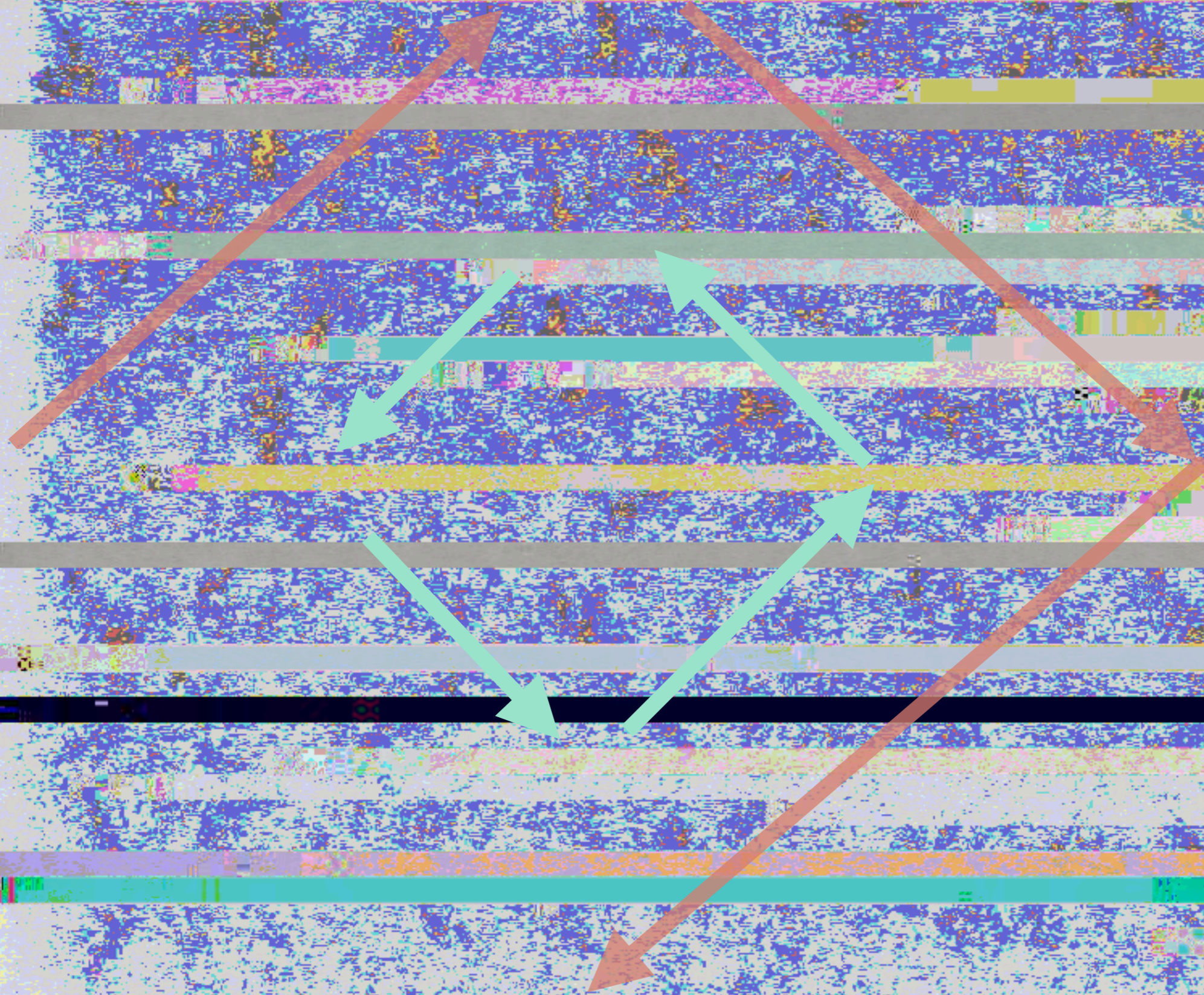
A E C C C E D E E CED?





A





A D E E E EA ?

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