Structured TV Shows --- “You’ve been chopped!”
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What are structured TV shows?
• All episodes share semantic structure (e.g., Intro - Appetizer - Judging - Entrée - Judging - Dessert - Judging - End)
• Section changes are often cued by visual-audio-text signals.

Why do we want to segment?
• Better understanding of content
• Allow finer-grained search (e.g., “find cacao in appetizer”)
• Chapter videos for easier navigation
• Create vertical compilations of content (e.g., playlist of all dessert segments)

How can we segment?
Learn regularities across large amounts of data using Machine Learning:

Our Method: Exploit domain knowledge to create regular expressions that detect segment changes.

Domain knowledge is provided by a viewer of the show.
(a) Identify known segments in the content layout
(b) Identify regular expressions that signal the start/end of a segment

Inverted index of food phrases appearing on screen (OCR around segment boundaries) or closed captions.