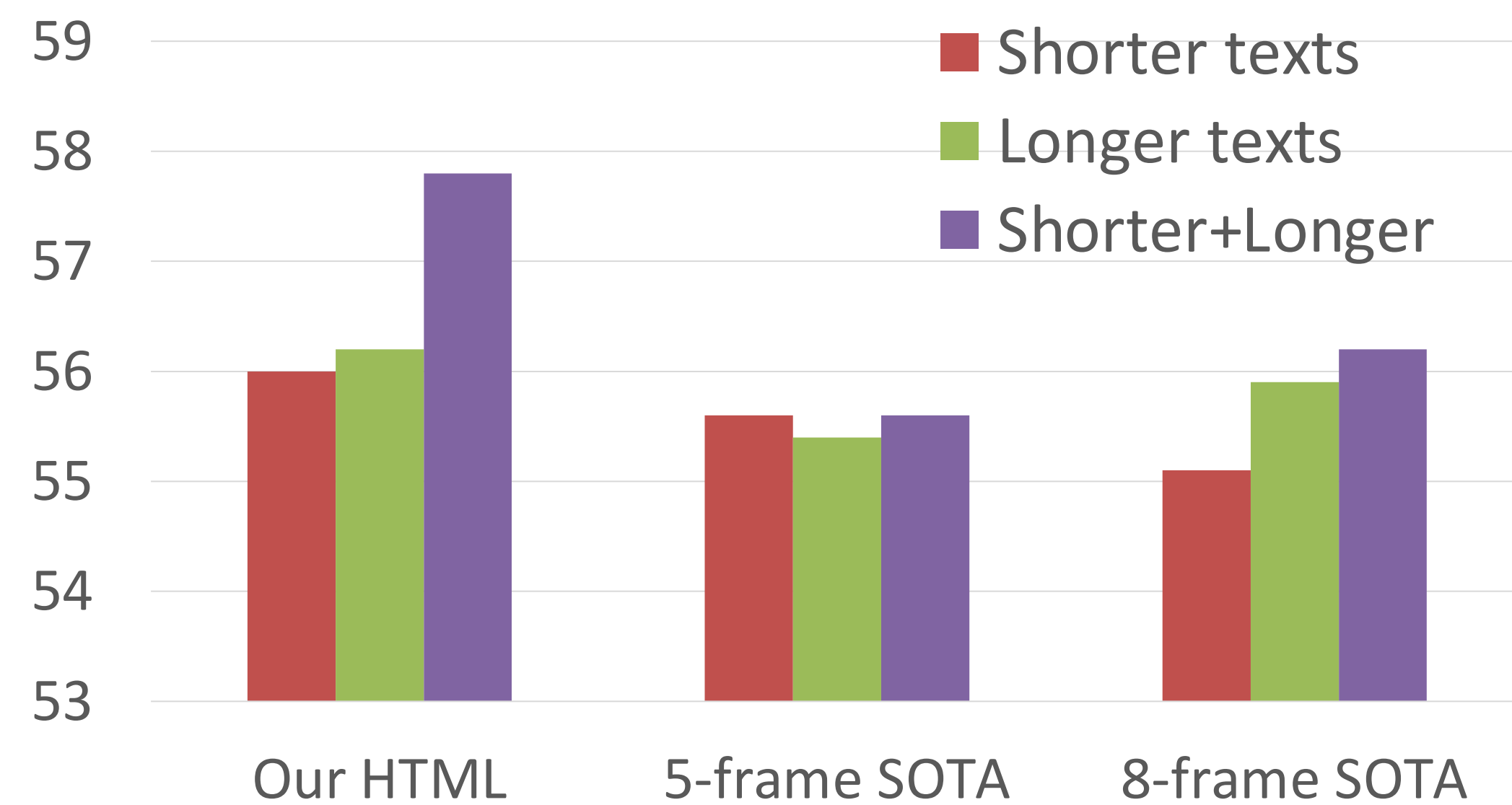


## Highlights:

- Our method with ResNet-50 achieves **57.8** in L&F, surpassing the recent SOTA with ResNet-101.
- Our HTML boosts the baseline model **without additional** modules and computations during inference.
- Our HTML can significantly benefit from **diversified** text descriptions.



## Referring Video Object Segmentation

Given:

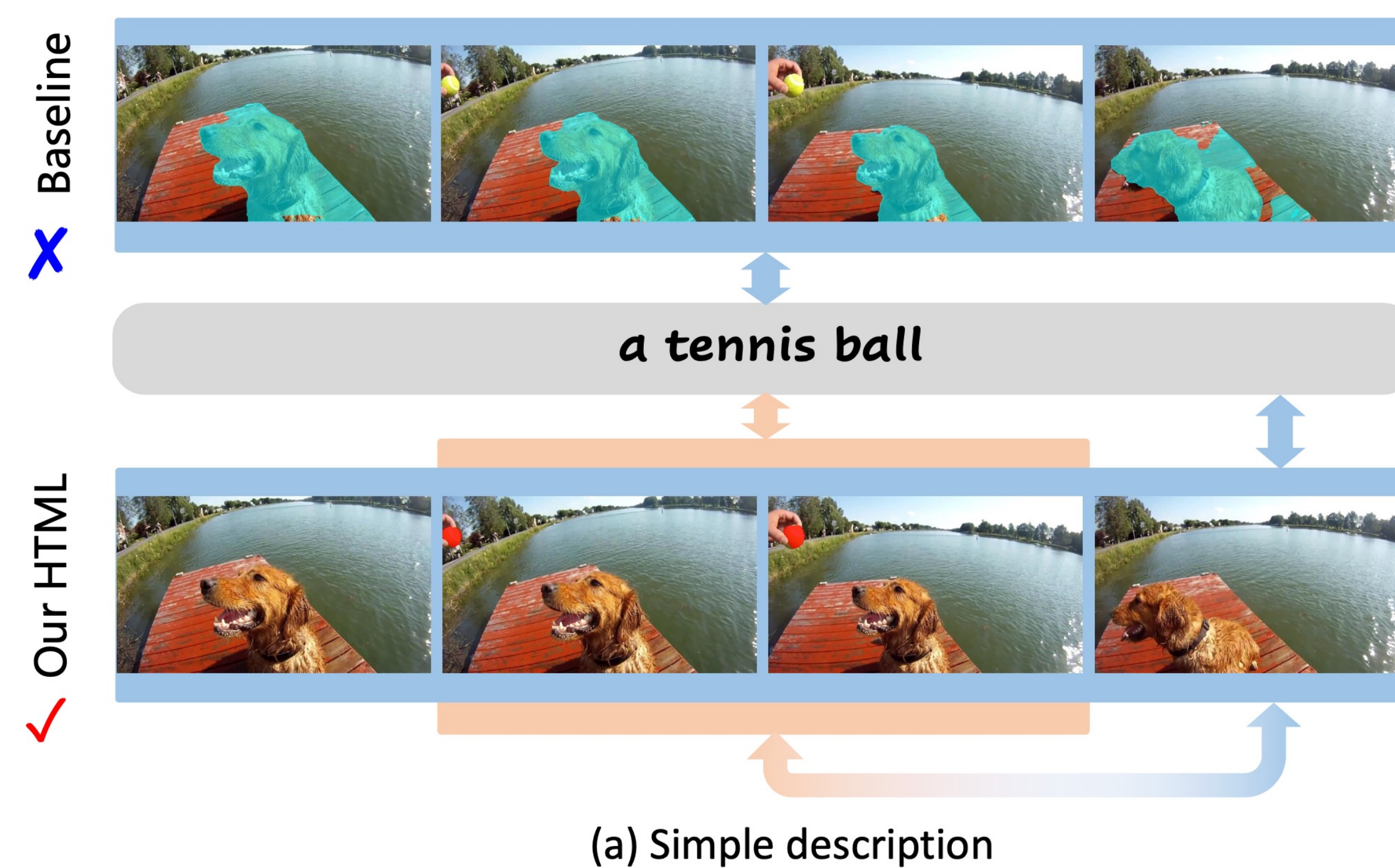
- A text sentence of the object in the video, describing the motion, appearance and positions.
- A video containing the interested object.

Output:

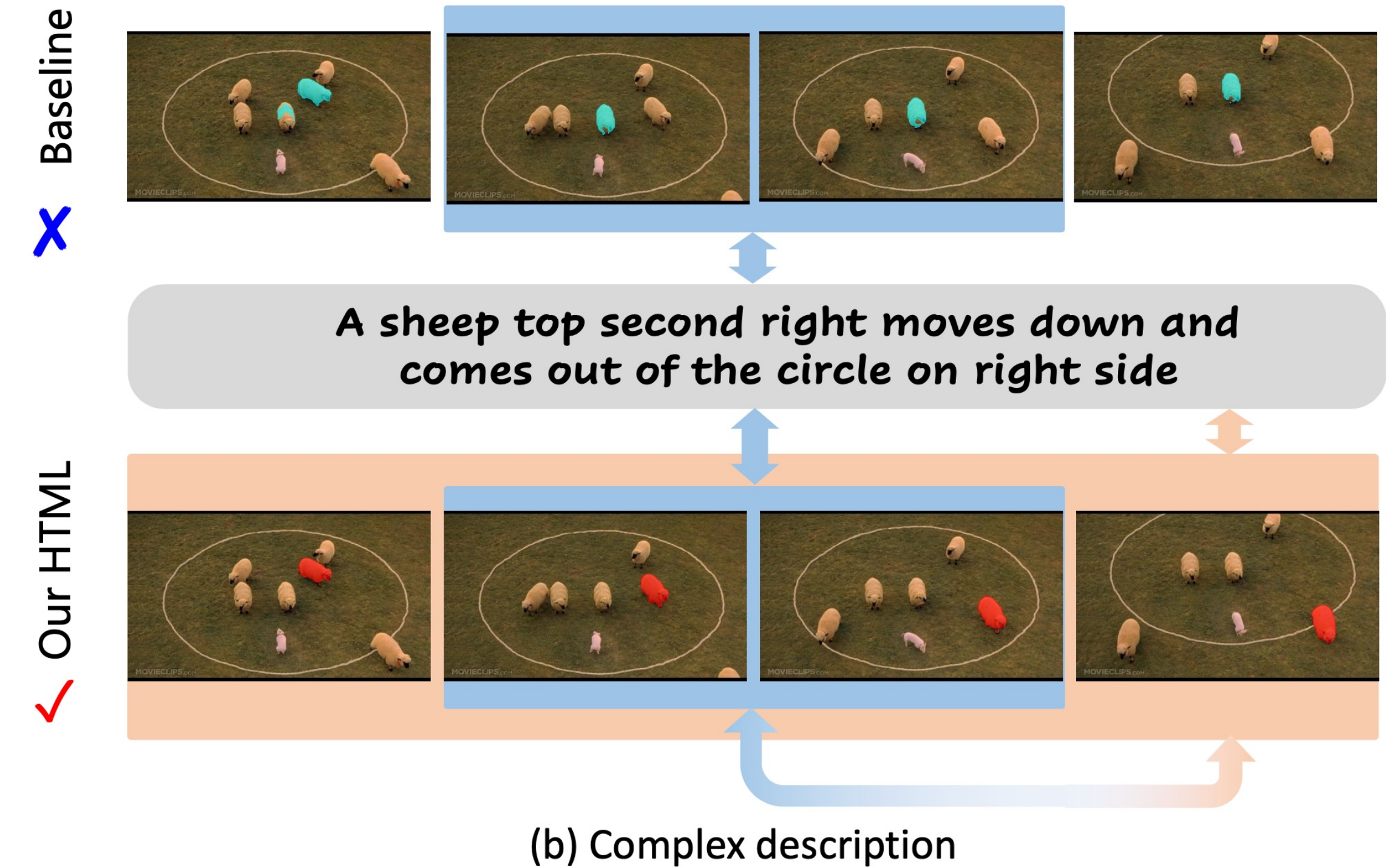
- The mask of the object in each frame of the video.



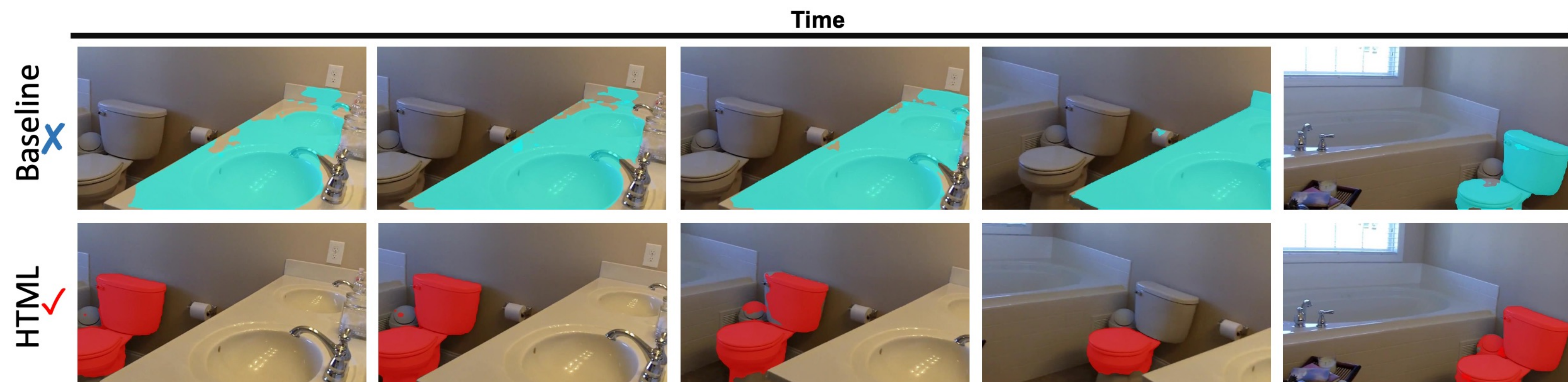
## Motivation:



- ❖ An object can be described with language descriptions in different lengths.
- ❖ Texts in different complexities relate to different temporal lengths.



## Visualization:



- ❖ Baseline simply uses a single temporal scale.
- ❖ With hybrid temporal scales, our HTML can discover the object semantics.

**Contact us:** Please visit <https://mingfei.info/HTML> or scan the QR Code.