system:
Carefully watch this video and ... accurately addresses the question.
user:
<video>
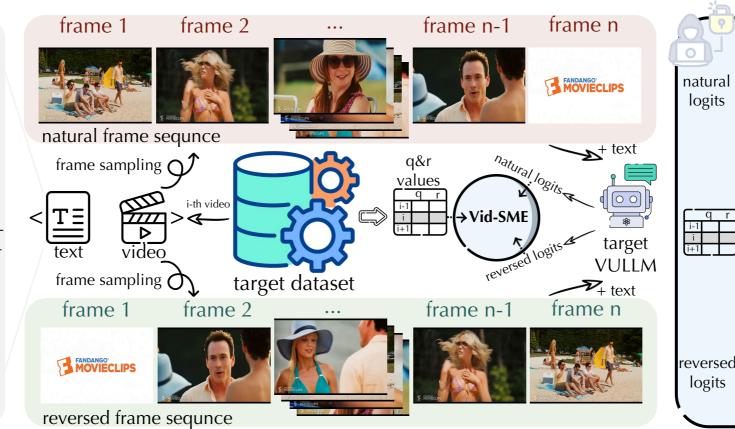Question: Select the option that ... in the video.
Options:
(A) man in black tank top smiling then looking serious->woman runs away, man follows->woman applying sunscreen->woman adjusting bikini top
(B) man in black tank ...->woman applying sunscreen
(C) ... (D) ...
Only give the best option.
assistant:
Best Option:

frame 1    frame 2    ...    frame n-1    frame n

natural frame sequnce

frame sampling

text    video

i-th video

target dataset

frame sampling

q&r values

q    r
i-1
i
i+1

→Vid-SME

target VULLM

natural logits

reversed logits

frame 1    frame 2    ...    frame n-1    frame n

reversed frame sequnce

**Vid-SME**

natural logits

frames    instruction    response

$p_1 p_2$    $p_k$

q    r
i-1
i
i+1

1 2 3 ... n

1 2 3 ... n

Sharma–Mittal entropy Calculation

Difference of Sharma–Mittal entropy

min K%

Sorted in ascending order

Average Min K%

Vid-SME Score

members    non-members

Vid-SME Score distribution of target dataset

$p_1 p_2$    $p_k$

reversed logits

frames    instruction    response