## Input Spatio-temporal scene graph behind side of side of carry food food food put something on a table

## Our benchmark generation process

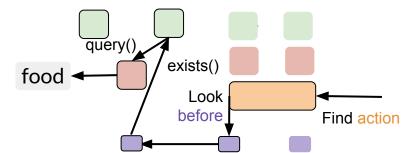
## Dutput

Template1: What did they <relation > < time > < action > ?

Program 1:

for frame before put something on a table: if exists(carry):

return query(object)



Look

Find action

before.

Question-Answer 1:

What did they carry before putting something on a table? - food

Alternate action reference:

What did they carry before the shortest action? - food

Template2: Did they <relation > <object > <time > <action > ?

Program 2:

for frame before put something on a table:

if objRelExists(food, behind):

then "Yes"

Ouestion-Answer 2: Did they go behind some food before putting something on a table? - No

Alternate object reference:

Did they go behind the object they carried before putting something on a table? - No

Video

else: "No"



objects relationships \_egend:

actions



time

No ◀

obiRelExists()