Question: What appliance is above the bananas?



Baseline

Generated Code

return "yes"

return "no"

```
def execute_command(image, my_fig, time_wait_between_lines, syntax):
    image_patch = ImagePatch(image)
    banana_patches = image_patch.find("banana")
    if len(banana_patches) == 0:
        return image_patch.simple_query("What appliance is above the bananas?")
    banana_patch = banana_patches[0]
    appliance_patches = image_patch.find("appliance")

if len(appliance_patches) == 0:
    return "no"
    for appliance_patch in appliance_patches:
        if appliance_patch.vertical_center > banana_patch.vertical_center:
```

Baseline: yes



Outputs whether there is an appliance above the bananas

PropTest: microwave



Finds the appliance that is above the bananas and returns a name

PropTest

Generated Property Test Case

```
def execute_test(image):
```

result = execute_command(image, my_fig, time_wait_between_lines, syntax)

Test case 1:

assert isinstance(result, str), "Expected output to be string."

Test case 2:

assert len(result.split()) in [1, 2], "Expected output to be one or two words"

Test case 3:

return result

Provides extra check signaling that the answer should be an appliance

Generated Code

def execute_command(image, my_fig, time_wait_between_lines, syntax);

image_patch = ImagePatch(image)

banana_patches = image_patch.find("banana")

if $len(banana_patches) == 0$:

return image_patch.simple_query("What appliance is above the banana?")

for banana patch in banana patches:

appliance_patches = image_patch.find("appliance")

for appliance_patch **in** appliance_patches:

if appliance_patch.vertical_center > banana_patch.vertical_center:

crop would include the appliance so keep it in the query

return appliance_patch.simple_query("What is the name of the appliance?")

If no appliance is above the banana, pick the first appliance

return appliance_patches[0].simple_query ("What is the name of the appliance?")