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(1) Hotspot QA
                                                                                      (1d) ReAct (Reason + Act)
                                                                   Thought 1: I need to search Apple Remote and find the
Question: Aside from the Apple Remote, what other device
                                                                   program it was originally designed to interact with.
can control the program Apple Remote was originally
                                                                   Act 1: Search[Apple Remote]
designed to interact with?
                                                                   Obs 1: The Apple Remote is a remote control introduced in
                                                                   October 2005 by Apple ... originally designed to control the
                                                                   Front Row media center program ...
      (1a) Standard
                                        (1c) Act-Only
                              Act 1: Search[Apple Remote]
Answer: iPod
                                                                   Thought 2: Apple Remote was originally designed to control
                              Obs 1: The Apple Remote is a
                                                                   the Front Row media center program. I need to search Front
                               remote control ...
                                                                   Row next and find what other device can control it.
  (1b) CoT (Reason Only)
                                                                   Act 2: Search [Front Row]
                                                                   Obs 2: Could not find [Front Row]. Similar: ['Front Row
Thought: Let's think step
                              Act 2: Search[Front Row]
                                                                   Seat to Earth', 'Front Row Motorsports',' Front Row
by step. Apple Remote was
                              Obs 2: Could not find [Front
                                                                   (software) ', ...]
originally designed to
                               Rowl. Similar: ...
interact with Apple TV.
                                                                   Thought 3: Front Row is not found. I need to search Front
Apple TV can be controlled
                                                                   Row (software) .
                              Act 3: Search Front Row
                                                                   Act 3: Search[Front Row (software) ]
by iPhone, iPad, and iPod
                               (software)
                                                                   Obs 3: Front Row is a discontinued media center software ...
Touch. So the answer is
                              Obs 3: Front Row is a
iPhone, iPad, and iPod
                               discontinued media center
                                                                   Thought 4: Front Row (software) is controlled by an Apple
Touch.
                               software ...
                                                                   Remote or the keyboard function keys. So the answer is
                                                                   keyboard function keys.
Answer: iPhone, iPad, iPod
                                                                   Act 4: Finish[keyboard function keys]
                              Act 4: Finish[yes]
Touch
                          (2) AlfWorld
                                                                                      (2b) ReAct (Reason + Act)
You are in the middle of a room. Looking quickly around
                                                                   Act 1: Think [First I need to find a pepper shaker...more
you, you see a cabinet 6, a cabinet 1, a coffee machine 1,
                                                                   likely to appear in cabinets (1-6), countertops (1-3), ...
                                                                   Act 2: Go to cabinet 1
a countertop 3, a stove burner 1, and a toaster 1.
                                                                   Obs 2: On the cabinet 1, you see a vase 2.
Your task is to: Put some pepper shaker on a drawer.
                                                                   (Here the agent go to cabinet 1, then cabinet 2, 3, then countertop 1 and 2)
                          (2a) Act-Only
                                                                   Act 6: Go to countertop 3
Act 1: Go to drawer 1
                                                                   Obs 6: On the countertop 3, you see a apple 1, a bread 1,
Obs 1: The drawer 1 is closed.
                                                                   ..... a pepper shaker 1, and a vase 3.
Act 2: Open drawer 1
                                                                   Act 7: Take pepper shaker 1 from countertop 3
Obs 2: You open the drawer 1. The drawer 1 is open. In it,
                                                                   Obs 7: You pick up the pepper shaker 1 from the countertop 3.
you see a dishsponge 2, and a spoon 1.
                                                                   Act 8: Think [Now I find a pepper shaker 1. Next, I need to
Act 3: Go to sinkbasin 1
                                                                   put it in/on drawer 1. ]
Obs 3: On the sinkbasin 1, you see a dishsponge 3, a
                                                                   Act 9: Go to drawer 1
spatula 1, and a spoon 2.
                                                                   Obs 9: Drawer 1 is closed.
Act 4: Take peppershaker 1 from sinkbasin 1
                                                                   Act 10: Open drawer 1
Obs 4: Nothing happens.
                                                                   Obs 10: You open Drawer 1 ...
Act 5: Take peppershaker 1 from sinkbasin 1
                                                                   Act 11: Put pepper shaker 1 in/on drawer 1
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Obs 5: Nothing happens.

Obs 11: You put pepper shaker 1 in/on the drawer 1.