



*Is there an object of the same
color as the small one?*

NSQVASP

Neural Module

Object
Recognition
(YOLOv5)

Question
Parsing
(LSTM)

Logical Module

Theory
(ASP)

Abduction
(ASP)

Answer:
Yes

Foil:
No

...

ans(no)

object_omission(4)

optimization : 10

ans(no)

color_change(4, green, brown)

optimization : 5

OPTIMUM FOUND