Wait until lift goes down

Find shortest path upto a pickup node

SFollow line until next node

Pickup the nut

Obstacle found in path?

Node is present on the lift?

Wait until lift goes up

Check the color of nut

Yes

Current node present on lift?

Yes No

Reached pickup node ?

No

Yes

Obstacle found in path?

Find the shortest path upto the start position and follow it

Reached the deposit zone?

Find the shortest path upto the corresponding zone on which we are supposed to place the nuts

Follow the path until the next node

All nuts are placed in their deposit zones?

Yes

Yes

No

No

No

Yes

place the nut

Yes