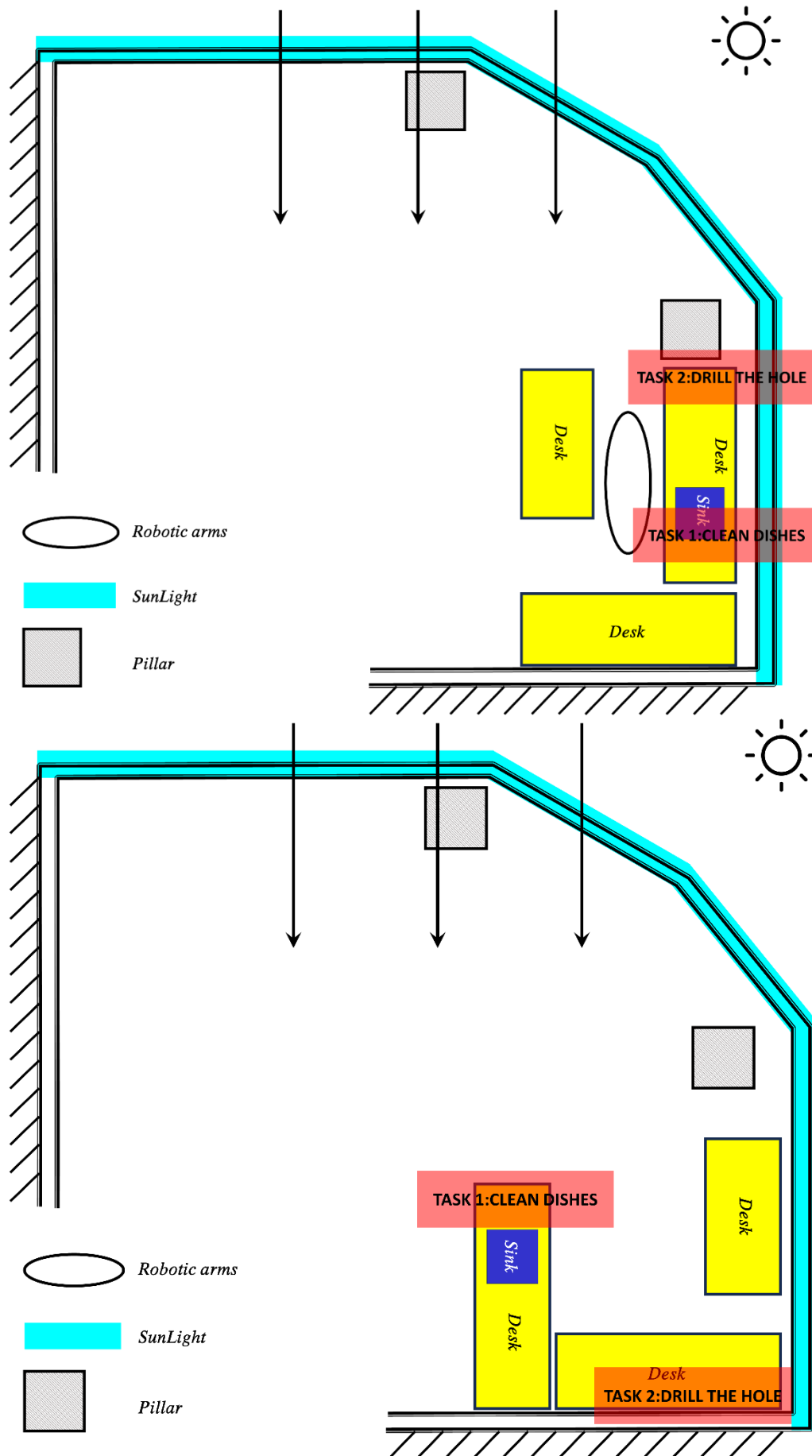


ROBOTIC ARM COORDINATION IN KITCHEN SCENE

1) PROPOSED METHOD:



Buy list

2) SIM:

- [3D model] - 刷碗海绵 - sponge - **\$15**

link: <https://www.turbosquid.com/3d-models/3d-dish-sponge-1863958>



- [3D model] - 晾盘子架子 - dish rack - **\$10.06**

link: <https://www.turbosquid.com/3d-models/3d-dish-rack-model-1251520>



- [3D model] - 钻头 - drill bits - **\$79**

link: <https://www.turbosquid.com/3d-models/cordless-drill-black-decker-max/953237>



- [3D model] - 膨胀螺丝 - Wall Plug With Screw - \$12.79

link: <https://www.turbosquid.com/3d-models/wall-plug-with-screw-3d-model-2003574>



3) REAL:

整体方案: <https://www.ikea.com/us/en/p/knoxhult-corner-kitchen-white-s09417221/>



♦ [Item 1] – 帶水槽的桌子 - cabinet with sink - \$320 x 2

link: <https://www.ikea.com/us/en/p/knoxhult-base-cabinet-with-doors-and-drawer-white-00372260/> config:

- ✓ Width: 72 " (1.82 m)
- ✓ Depth: 24 " (0.61 m)
- ✓ Height: 36 " (1.91 m)



♦ [Item 2] – 小桌子 - cabinet - \$200 x 1

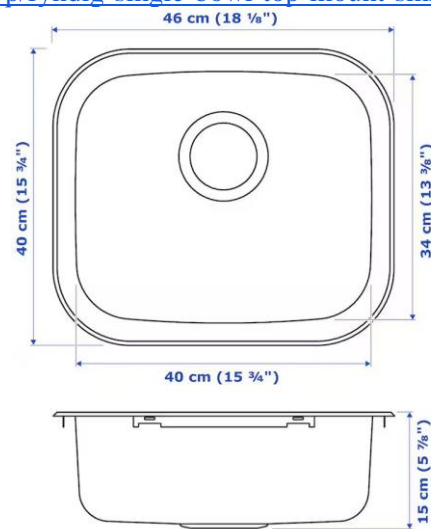
link: <https://www.ikea.com/us/en/p/knoxhult-base-corner-cabinet-white-70372271/> config:

- ✓ Countertop length: 1.2278 m
- ✓ Width: 1.1186 m
- ✓ Depth: 0.6096 m
- ✓ Height: 0.9144 m



- [Item 3] - 水槽 - sink - \$32 x 1

link: <https://www.ikea.com/us/en/p/fyndig-single-bowl-top-mount-sink-stainless-steel-70202132/>



- [Item 4] - 水龙头 - kitchen faucet - \$29 x 1

link: <https://www.ikea.com/us/en/p/lagan-single-lever-kitchen-faucet-chrome-plated-70085029/>



- [Item 5] - 水槽过滤器 - Sink strainer - \$10 x 1

link: <https://www.ikea.com/us/en/p/lillviken-sink-strainer-with-stopper-50325426/>



- [Item 6] – 盘子 - plates - \$20.33 x 1

link: https://www.amazon.com/AmazonBasics-6-Piece-White-Dinner-Plate/dp/B0157FD9MS/ref=sr_1_34?crid=NT3F1UI4UEJQ&keywords=plates&qid=1693095096&srefix=plates%2Caps%2C223&sr=8-34

Dinner Plates

Durable porcelain and simple design works in any kitchen



Dishwasher
safe



Microwave
safe



Freezer
safe

- [Item 7] - 海绵 & 盒子 - Kitchen Cleaning Sponge - \$17.85 x 1

link: [Amazon.com: 19 Pack Kitchen Clean Sponges for Dish,1 Pack Dish Soap Dispenser for Kitchen, Soap Dispenser and Sponge Holder 2 in1 : Health & Household](https://www.amazon.com/19-Pack-Kitchen-Clean-Sponges-for-Dish-1-Pack-Dish-Soap-Dispenser-for-Kitchen-Soap-Dispenser-and-Sponge-Holder-2-in-1-Health-Household/dp/B0157FD9MS/ref=sr_1_34?crid=NT3F1UI4UEJQ&keywords=plates&qid=1693095096&srefix=plates%2Caps%2C223&sr=8-34)



- [Item 8] - 晾盘子架子 - Dish Drying Rack - **\$21.99 x 1**

link: [Amazon.com - Popity home Dish Drying Rack, Sturdy Kitchen Sink Side Draining Kitchen Counter Top Chrome Dish Drying Rack, Dish Rack and Drainboard Set with Black Utensil Holder](https://www.amazon.com/Popity-home-Dish-Drying-Rack-Sturdy-Kitchen-Sink-Side-Draining-Kitchen-Counter-Top-Chrome-Dish-Drying-Rack-Dish-Rack-and-Drainboard-Set-with-Black-Utensil-Holder/dp/B078K3K3K3)



- [Item 9] - 钻头 - AVID POWER 12V Cordless Drill - **\$29.99 x 1**

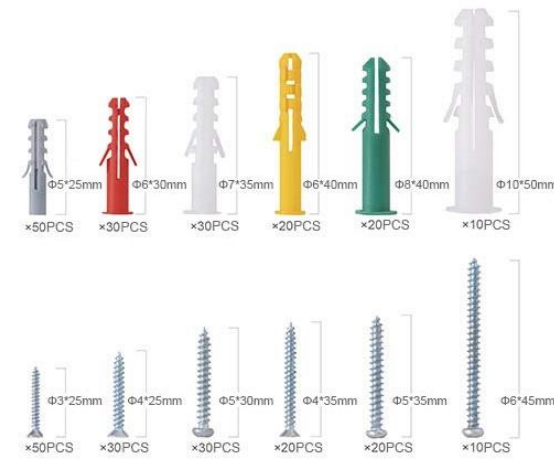
link: [Amazon.com: AVID POWER 12V Cordless Drill, Power Drill Set with 22pcs Impact Driver/Drill Bits, 2 Variable Speed, 3/8-Inch Keyless Chuck, 15+1 Torque Setting \(Red\) : Tools & Home Improvement](https://www.amazon.com/AVID-POWER-12V-Cordless-Drill-Power-Drill-Set-with-22pcs-Impact-Driver-Drill-Bits-2-Variable-Speed-3-8-Inch-Keyless-Chuck-15-1-Torque-Setting-Red-Tools-Home-Improvement/dp/B078K3K3K3)



- [Item 10] - 膨胀螺丝 - expansion screw - **\$14.99 x 2**

link: [320PCS Plastic Drywall Wall Anchors Screw Assortment Kit, Self Tapping Screws and Ribbed Wall Anchors, Assorted Sizes Wall Plug Bolts Expansion Bolt for Wallboard Concrete Picture Hanging: Amazon.com: Industrial & Scientific](#)

DIFFERENT SIZE AND QUANTITY



- [Item 11] – 切割机- Compact Circular Saw - **\$59.00 x 1**

link: [Worx WX429L 4 Amp WORXSAW 4.5" Electric Compact Circular Saw - Amazon.com](#)



- [Item 12] – 相框- Photo frame with thick string - **\$14.99 x 1**

link: [Amazon.com - Bikoney Picture Frames Collage Photo Hanging Display Picture Board Wood Rustic Frames for Wall Decor and Dorm Room Decor with Blackboard and 30 Clips Carbonized Black](#)



- [Item 13] – 泡沫板/厚木块- wood stock - \$ 未知

Request: 厚度 » 50-60 mm

4) TOTAL:

≈ \$ 1221.98 (without tax and shipping)