

Can you build this with popsicle sticks?



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# Use Decomposition!

- To build that model, we'll need...
  - Small building
  - Large building
  - Base
  - Ship



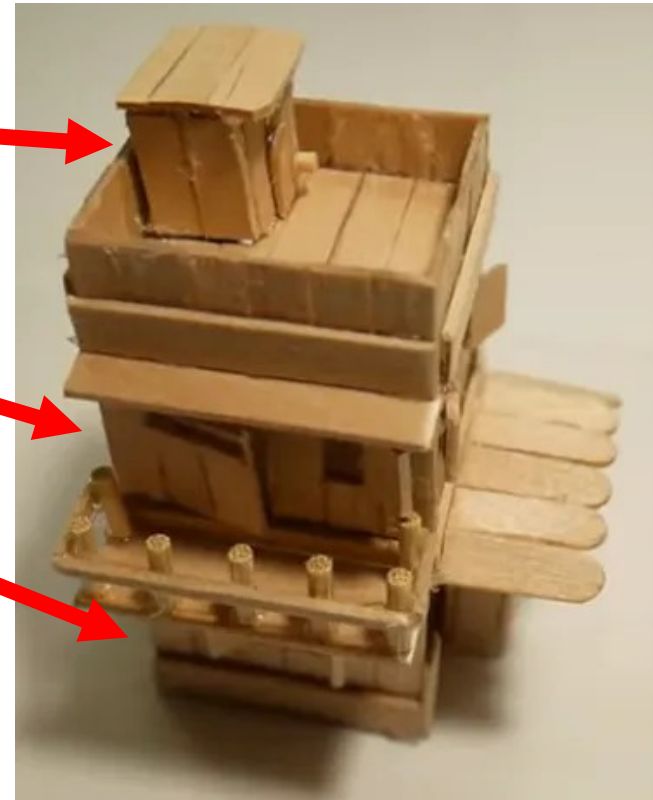
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Can you build the small building?



# Use Decomposition again!

- To build the small building, we'll need...
  - Top floor
  - Second floor
  - Ground floor

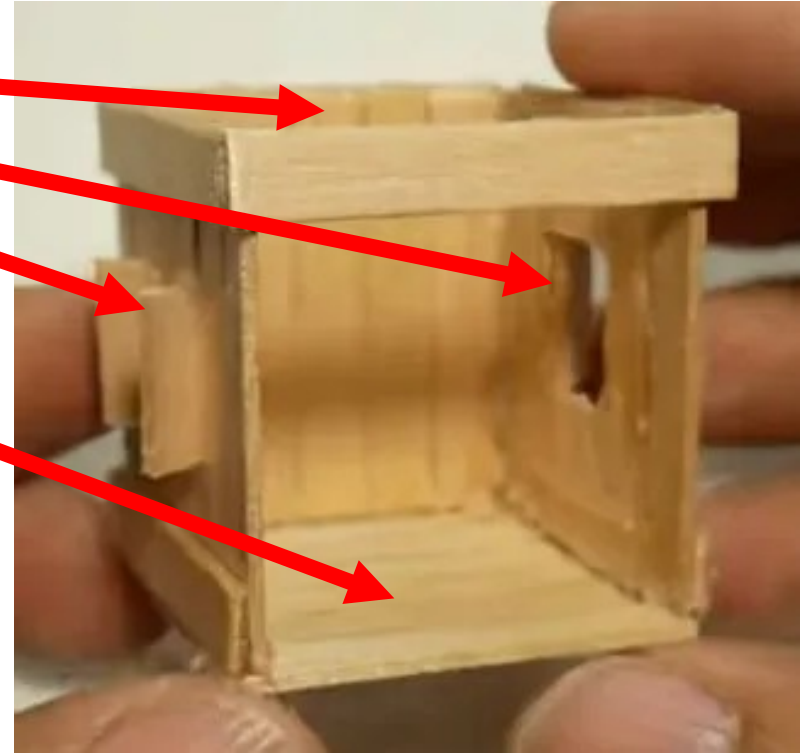


Can you build the ground floor?



# Use Decomposition again!

- To build the ground floor, we'll need...
  - 3 walls
  - Floor



Can you build the wall?



Sure you can! That's easy!

- Decomposition turns a big problem into many smaller parts
- Small problems are easy to solve
- Solve all the small problems and the big problem will be solved too!