

# H: Hansel and Gretel

Problem author: Lucas Schwebler

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Uniquely mark a vertex in the graph to identify it in the second pass

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- In the first pass:
  - If there is no vertex with zero edges, add one
  - Otherwise, add one and connect it to every other vertex
- In the second pass:
  - If there is a vertex with zero edges, output it
  - Otherwise, find the vertex with  $n - 1$  edges