Ever Quote Coding Challenge

1000 consumers, 20 agents, I call router
Consumers can: - make calls to the call router
- receive calls from agents (20% success)
A consumer has: age, state, # of kids, # of cars,
a home ownership state (own/rent), household income,
phone number (unique)
Agents can: - receive consumer calls via the router
- and make calls to consumers
based on their voicemail
- delete voicemails once a consumer
has been called back.
An agent has: ranges of age state, # kids, # cars
household income home ownership states; Voicemail
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The call router can: - identity and of agents madeling
The call router can: - identity and of agents mat bring
- evaluate how well an agent matches a consumer
- identify the set of agents that best match a consume
- route a call to an agent (or that agent's voicemail)
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The call router has & aqueue
A VM has: -a phone # -a # of retries?

The Simulation manager can: - start / stop the sim -generate sets of consumus and agents we attribute - export results to MS Excel The sinulation manager has? - a set of consumers set of agents -a call router 1 Consum calls router (2) Roster enqueues call 3 Router identifies which ages to call A 4) Router calls agent ۷ 1 Agent responds. satisfying consumer Cor adds call to VM quen Inbound call process (all process) Return Call Process Agor dequeves aVM (2) Again tries to call consumer 3 If agent can't reach consumer, put the VM bade at the beginning of the queue.