SOTOPIA-RL: Reward Design for Social Intelligence

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Abstract

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Social skills such as collaboration and negotiation are essential for large language models (LLMs) to interact effectively with humans. While reinforcement learning (RL) has shown promise in enhancing the problem-solving abilities of LLMs, how to utilize RL to train social agents remains to be an open question. Compared with problem-solving tasks, social tasks have two key differences: (1) social tasks require interaction with other agents with unobservable social goals, making them non-Markov Decision Processes (MDPs); (2) social tasks require multi-dimensional evaluation due to their complexity. To address the unique challenges of using RL for social tasks, we propose an utterance-level, attributionbased, multi-dimensional social reward design method, trained using single-turn online RL, SOTOPIA-RL. We first attribute episode-level rewards for multi-turn social interactions to individual utterances with state-of-the-art LLMs. Then, we construct a combined reward that includes multiple dimensions of rewards besides goal completion, allowing us to regularize the optimization process for goal completion. These structured utterance-level rewards are used to guide the RL training of social agents. Experiments in SOTOPIA, an open-ended social learning environment, show that (1) SOTOPIA-RL achieves state-of-the-art goal completion scores, 7.17 on SOTOPIA-hard and 8.31 on SO-TOPIA-full, surpassing all prior methods without reasoning; (2) both reward attribution and reward combination significantly improve RL training stability and overall performance.

1 Introduction

Social intelligence (Gweon et al., 2023; Mathur et al., 2024) has emerged as a critical capability for large language models (LLMs), enabling them to interpret and respond to human feedback in multiturn interactions (Han et al., 2024; Yi et al., 2024). It supports a wide range of high-impact applica-



Figure 1: **Differences between problem-solving tasks and social tasks**. Problem-solving tasks are Markov Decision Process (MDP), and each math problem can be split into smaller sub-problems, while social tasks cannot. Problem-solving tasks rely solely on the goal success rate for evaluation, while the complexity of social tasks makes it rely on multi-dimensional evaluation.

tions, from customer service (Pandya and Holia, 2023; Bamberger et al., 2023) and educational tutoring (Stamper et al., 2024; Nye et al., 2023) to conflict resolution (Aggrawal and Magana, 2024) and team coordination (Li et al., 2023; Guo et al., 2024). Training LLMs to acquire such advanced capabilities can be naturally framed as a reinforcement learning (RL) problem, where each utterance acts as an action, feedback from the partner serves as a reward signal, and the agent adapts over time through conversational trajectories.

However, applying reinforcement learning (RL) to social tasks introduces unique challenges. Unlike problem-solving tasks such as coding (Wang et al., 2024c) or math (Shao et al., 2024), where the RL environment is static and stationary (*e.g.*, a compiler), social environments are only partially observable, shaped by the evolving behavior and hidden goals of another agent. This makes *social*

tasks to be non-MDP and be described as Decen-063 tralized Partially Observable Markov Decision Pro-064 cess (Dec-POMDP) (Puterman, 1990; Bernstein 065 et al., 2002; Zhou et al., 2024a). As a result, traditional multi-turn RL methods, which are based on Bellman equations (Shani et al., 2024), are no longer applicable, and utterance-level reward attribution becomes necessary. Moreover, social tasks are complicated and require multi-dimensional evaluations. Both agents pursue their own social goals, which may align or conflict. For example, two agents may collaborate to plan a weekend trip or negotiate conflicting preferences in choosing a restaurant. In such settings, besides goal completion scores, the relationships between two agents 077 can also play an important role in social interactions. These two properties highlight the need for specialized reward modeling to train socially intelligent agents effectively.

To address these unique challenges of applying RL on social tasks, we propose an attribution-based, multi-dimensional, utterance-level reward modeling designed for social tasks. Unlike prior methods such as SOTOPIA- π (Wang et al., 2024b), which rely on episode-level outcome rewards for training, SOTOPIA-RL targets at collecting high-quality utterance-level reward labels without human annotation and conducts RL training on top of it. The design of SOTOPIA-RL is motivated by three key insights: (1) State-of-the-art LLMs such as GPT-40 can provide utterance-level reward attributions for social tasks that are highly aligned with human preferences; different LLM families (e.g., Gemini-2.5flash (Google DeepMind, 2024) and GPT-40 (Hurst et al., 2024)) exhibit strong agreement on attribution scores, with Spearman correlations exceeding 0.7. (2) Encouraging both agents to build better relationships with each other or share more knowledge can indirectly improve their goal completion score on social tasks, respectively. (3) The improvement of single-turn utterance quality often plays an important role in the multi-turn social interactions.

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Based on these key insights, we utilize SO-TOPIA (Zhou et al., 2023b), an open-ended social learning environment, for the RL-based training of social agents. SOTOPIA provides diverse social scenarios for simulation and comprehensive evaluation metrics named as SOTOPIA-EVAL. Experiments conducted in the SOTOPIA environment reveal two key findings: (1) Social agents trained with SOTOPIA-RL consistently outperform all baselines on social goal completion metrics evaluated by SOTOPIA-EVAL, achieving a goal completion score of 7.17 on the SOTOPIA-hard benchmark and 8.31 on the full SOTOPIA dataset. (2) Both LLM-based reward attribution and multi-dimensional reward combination for reward design are critical for stable and effective RL training in complex social scenarios. These results highlight the effectiveness of our reward design and validate the core design principles behind SOTOPIA-EVAL —particularly the importance of evaluating social interaction quality across diverse dimensions.

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2 Related Work

Social skill learning To augment the social intelligence of agents, prior work utilizes reinforcement learning to achieve this. SOTOPIA- π (Wang et al., 2024b) uses self-reinforcement learning, Ndousse et al. (2021) employ conversation-level RL rewards, and Stable Alignment (Pang et al., 2024) trains via rule-based peer feedback without rewards. SDPO (Kong et al., 2025) uses preference-based tuning but overlooks utterance-level impact. Our key contribution is the design of utterance-level rewards specifically for social tasks. Instead of conducting explicit strategy injection for training (Zhang et al., 2025; Wang et al., 2025a), we implicitly model social skills within our reward.

Process reward modeling In problem-solving domains like mathematics and coding, Process Reward Modelings (PRMs) have been effectively utilized. For instance, PRIME (Cui et al., 2025) assigns token-level rewards using only outcome labels, enhancing reasoning capabilities without the need for explicit process annotations. Similarly, other works (Choudhury, 2025; Wang et al., 2024a) employ Monte Carlo rollouts to compute reward targets, enabling scalable training of RL. Monte Carlo methods estimate the expected value of uncertain quantities through repeated random sampling, making them particularly effective in modeling stochastic processes and complex static decision-making tasks (Barto, 2021). However, applying PRMs to social tasks introduces unique challenges. Social tasks, unlike math tasks, cannot be divided into sub-problems for solution. It means that the reward of one utterance in social tasks cannot be estimated until the end of the trajectory.

Multi-turn reinforcement learning Traditional RL with human feedback (RLHF) (Ouyang et al., 2022) typically optimizes single-turn responses by

training a reward model on human preferences 164 from isolated answers. RL-based multiturn meth-165 ods (Zhou et al., 2023a; Shi et al., 2024; Wang et al., 166 2025b; Zhou et al., 2024b) focus on modeling the 167 Markov Decision Process, requiring multistep coordination and long-horizon decision making. Most 169 problem-solving tasks, like math and coding, can 170 be naturally modeled as an MDP and can utilize 171 such multi-turn RL methods to optimize. However, most social tasks, interacting with an agent with its 173 unobservable social goal, indicate that it is not a 174 standard MDP. Therefore, we are required to uti-175 lize utterance-level attribution methods to conduct 176 utterance-level RL. 177

3 Preliminary

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Social interaction As shown in Figure 2, we follow the format and definition of social interactions in SOTOPIA (Zhou et al., 2023b) as our settings. We define a social interaction task as a multi-turn conversational task between two agents, agent A and agent B. Each agent has their profile and relies on a policy model— π_A and π_B , respectively-to generate utterances at each turn as their action in a multi-turn conversation. Each agent has a unique social goal, g_A and g_B , that they optimize for during the conversation. Since SOTOPIA focuses on evaluating general social intelligence, two goals defined in social tasks g_A and g_B of two agents can be either aligned (e.g., two agents discuss together for a weekend trip) or in conflict (e.g., in Figure 2 one agent wants to stop the game while another wants to win the game). To achieve their respective goals, the agents engage in a conversation that unfolds into a multiturn trajectory $\tau = (s_0, a_1, s_1, a_2, \dots, s_T)$ where a_t represents the utterances generated from agents A at time tand s_t represents the conversational history with the feedback collected from agent B at time t.

Social interaction evaluation In the SOTOPIA setting, both agent A and agent B are assigned social goals and engage in multi-turn interactions to 204 accomplish them. To enable reinforcement learn-205 ing, the environment must provide quantitative feedback reflecting how well each agent achieves This is handled by SOTOPIA-EVAL, its goal. a multi-dimensional evaluation suite-typically implemented as an LLM-based scoring function 210 $f_{\theta}(\cdot)$ —which assesses the quality of a completed 211 dialogue τ against a given goal g. SOTOPIA-EVAL 212 provides scores along 7 distinct dimensions: (1) 213



Figure 2: An example of a social task in the SOTOPIA environment. Tom is agent A, and Oliver is agent B in this social task. Each agent has a unique social goal that is unknown to the other agent. "9/10" indicates an episode-level reward provided by LLMs.

believability (BEL), (2) knowledge (KNO), (3) relationship (REL), (4) secret keeping (SEC), (5) social rule-following (SOC), (6) financial and material benefits (FIN) and (7) goal completion (GOAL). Among these, the goal completion score (GOAL) is the most important for training social agents, as it serves as the primary optimization target. Accordingly, we define: $G_A(\tau) = f_\theta(\tau, g_A), G_B(\tau) =$ $f_\theta(\tau, g_B)$, where $G_A(\tau)$ and $G_B(\tau)$ typically refer to the GOAL dimension. Figure 2 provides a concrete example of $G_A(\tau)$. The other five dimensions serve as auxiliary metrics to provide a more holistic evaluation of social interaction quality, but are not directly optimized in our RL objectives.

Key features of social interaction Social interaction in SOTOPIA is formulated as mixed-motive Markov games. Therefore, social interactions are better defined by Dec-POMDP instead of MDP. In traditional RL, rewards are defined at each time step based on the current state and action, and policies are optimized by accumulating these stepwise rewards over a trajectory. However, in social interactions, the quality of an agent's behavior, such as how well it achieves its social goal, is only measurable at the end of the entire conversation. That is, the return $G_A(\tau)$ is observed *post-hoc* as a single outcome-level score. This makes it impossible to define per-step rewards. Instead, intermediate rewards must be attributed to individual utterances, breaking the standard MDP assumptions and ne-



Figure 3: **Overview of training pipeline for SOTOPIA-RL**. The whole pipeline is split into two stages: (1) reward label collection; (2) RL-based training. The reward label collection includes two stages: (a) reward attribution and (b) reward combination. For the RL-based training, it includes two stages: (a) RM training and (b) RL training.

cessitating utterance-level reward modeling.

Key features of social interaction evaluation Unlike problem-solving tasks, where the success rate is usually the only metric, for social tasks, the social interaction quality is much harder to evaluate. Therefore, one key feature of SOTOPIA-EVAL is multi-dimensional evaluation. Due to the complexity of social tasks, one single metric is often not reliable. The combination of multiple metrics can shed light on the real quality of social interactions.

4 Methodology

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In this section, first, we describe how we collect utterance-level reward labels for the training of reward models; secondly, we discuss how we utilize reward labels to train utterance-level reward modeling; finally, we illustrate how we utilize trained RM for RL training.

4.1 Collecting social rewards

Based on the key features of social interactions discussed in Section§ 3, we design a two-stage pipeline to collect high-quality utterance-level social rewards for a set of trajectories $\{\tau_i\}_{i=1}^N$ generated from SOTOPIA interactions between two GPT-4 agents: (1) LLM-based *reward attribution*, (2) multi-dimensional *reward combination*.

Step1. reward attribution Given the non-MDP 269 nature of social interactions, reward attribution at 270 the utterance level becomes essential. To address this, we leverage advanced LLMs (e.g., GPT-40) 273 and their strong social reasoning capabilities to perform attribution analysis for each utterance in 274 a trajectory. For every utterance a_t , the LLM is 275 prompted with the full conversational history up to 276 that point, as well as subsequent dialogue turns, and 277

asked to assess its contribution to the overall goal g_i of the episode. The model outputs a scalar attribution score $\mathcal{A}(a_t, \tau) \in [0, 1]$, where higher scores reflect greater importance in achieving the goal. In contrast, lower scores typically reflect peripheral content, such as pleasantry or off-topic remarks, rather than direct goal advancement. After obtaining attribution scores $\mathcal{A}(a_t, \tau)$ for each utterance in the episode, we further refine the utterance-level rewards by incorporating the episode-level outcome $G(\tau)$. Specifically, the final social reward for each utterance is defined as:

$$r_t = G(\tau) \cdot \mathcal{A}(a_t, \tau) \tag{1}$$

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This formulation intuitively downweights the impact of high-quality utterances in otherwise unsuccessful episodes, while amplifying the learning signal from strong utterances in successful ones.

Step2. reward combination Given the multidimensional nature of social interaction evaluation, we design a multi-dimensional reward scheme to provide a more stable and comprehensive training signal for RL. Intuitively, by adding more rewards focusing on different aspects of the social interaction, we generally improve the stability and optimality of the training process. To combine rewards from multiple dimensions, for each utterance a_t , we obtain raw scores $r_t^{(i)}$ for each dimension available from SOTOPIA-EVAL. To ensure comparability across dimensions, we normalize each score using min-max normalization:

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$$\hat{c}_{t}^{(i)} = \frac{r_{t}^{(i)} - r_{\min}^{(i)}}{r_{\max}^{(i)} - r_{\min}^{(i)}}$$
(2)

where $r_{\min}^{(i)}$ and $r_{\max}^{(i)}$ are the minimum and maximum observed values of dimension *i* across all time 310



Figure 4: **Reward attribution and reward combination examples**. On the left, it explains 4 types of different attribution methods (uniform, scaled, singular, and direct). On the right, it explains 4 types of different reward combination methods (REL, GOAL, KNO, SOTOPIA-RL). More information is available in Section§5. Each line represents a trajectory. Reward designs are a combination of reward attribution methods and reward combinations.

T. The final reward for utterance a_t is computed as a weighted average $r_t^* = \frac{1}{N} \sum_{i=1}^{N} \gamma_i \hat{r}_t^{(i)}$, where γ_i is a tunable weighted value for each dimension of reward. This multi-dimensional formulation provides a holistic reward signal that encourages wellrounded social behavior. Our defined framework is thus highly extensible: any dimension that can be consistently evaluated via LLM prompting can be incorporated into the reward structure. By adjusting the dimensional weights γ_i , we can tailor the training objective to different social contexts, such as prioritizing relationship-building (REL) in therapeutic dialogue or emphasizing knowledge seeking (KNO) in educational tutoring.

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In practice, to better optimize for GOAL, we incorporate two additional evaluation dimensions from SOTOPIA-EVAL —relationship (REL) and knowledge (KNO)—which capture complementary aspects of socially intelligent behavior. Intuitively, obtaining high scores in these dimensions helps reduce the variability in the other agent's responses, thereby stabilizing the multi-turn conversation during inference.

4.2 Training social agents with RL

After collecting high-quality utterance-level social rewards via reward attribution and combination, we unlock single-turn RL training. First, we discuss how we train an utterance-level reward model. Second, we further explain how we use the RM for single-turn RL training.

341Step1. training utterance-level reward models342We distill such a global signal into a local reward343model that enables step-wise reinforcement learn-344ing. Specifically, we train an utterance-level reward345model $R_{\psi}(a_t, s_t)$ to estimate the quality of each ut-346terance a_t based on its state s_t . The LLM-generated347scores r_t , which reflect each utterance's importance348to the overall goal, are used as supervision targets.

We optimize the model using mean squared error (MSE) loss:

$$\mathcal{L}_{\text{MSE}} = \mathbb{E}_{(a_t, s_t)} \left[(R_{\psi}(a_t, s_t) - r_t)^2 \right] \quad (3)$$

This distillation process allows us to convert non-Markovian, outcome-based supervision into a learnable, step-wise reward function. The resulting reward model provides fine-grained feedback on the quality of each utterance, enabling flexible policy-based RL usage.

Step2. training policy models with single-turn **RL** With a fine-tuned reward model that provides an utterance-level reward, we apply it to single-turn RL to update the π_{θ} of one social agent. To stabilize early training and avoid the common pitfalls of cold-start reinforcement learning, we adopt a standard two-stage optimization procedure. First, we perform supervised behavior cloning (BC) to warm-start the policy using high-quality utterances from our collected dataset. This provides a reasonable initialization for the policy π_{θ} , ensuring it generates socially coherent utterances before receiving any reinforcement signal. After this warmup phase, we fine-tune the agent using our trained reward model R_{ψ} through single-turn online reinforcement learning with GRPO (Shao et al., 2024). In this setting, each utterance a_t sampled from the current policy π_{θ} receives real-time, utterance-level feedback from the reward model $R_{\psi}(a_t, s_t)$, where s_t denotes the full conversational history up to turn t. This enables the agent to iteratively refine its response strategy toward more socially appropriate and goal-aligned behavior defined by the combined social rewards.

5 Experimental Settings

Model settings We select Qwen2.5-7b-instruct ¹ as our base LLM for training. We select GPT-4o as

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¹https://huggingface.co/Qwen/Qwen2.5-7B-Instruct

	Model	Sot	OPIA-all	SOTOPIA-hard			
		GOAL	OVERALL	GOAL	OVERALL		
	GPT-40	8.19	3.76	6.97	3.46		
	Sonnet-3.5	8.42	3.77	6.64	3.30		
	DS-v3	8.14	3.72	6.69	3.31		
B	+PPDPP	8.07	3.71	6.76	3.35		
5-1	+EPO	8.41	3.86	6.81	3.51		
2	+DAT	8.11	3.70	6.78	3.36		
Qwen2.5-7B	+DSI	8.15	3.70	6.87	3.42		
0	+Ours	8.31	3.90	7.17	3.61		

Table 1: Our method outperforms state-of-the-art models when choosing GPT-40 as partner. (p < 0.05) Qwen2.5-7B represents Qwen-2.5-7B-Instruct, DS-v3 represents Deepseek-v3, Sonnet-3.5 represents Claude-Sonnet-3.5. Ours refers to SOTOPIA-RL (direct attribution+reward combination+GRPO training). Full results are available in Appendix§A.

the LLM-judge for SOTOPIA-EVAL.

Evaluation settings We evaluate our method on two configurations of the SOTOPIA benchmark: (1) SOTOPIA-hard, and (2) SOTOPIA-all. SOTOPIAhard is a subset of SOTOPIA-all, consisting of 14 challenging social scenarios identified as difficult among all scenarios, and we use 10 distinct agent pairings (combos) per scenario. For SOTOPIA-all, we evaluate on the full coverage of 90 social scenarios, using 2 agent combos per scenario to ensure diversity while maintaining scalability.

Training method baselines To compare the effectiveness of our training methods, we include (1) *behavior cloning* (BC) that utilizes social interaction trajectories between GPT-40, which is the same as SOTOPIA- π ; (2) SOTOPIA- π that utilizes behavior cloning and self-reinforcement; (3) other most recent baselines: PPDPP (Deng et al., 2024), EPO (Liu et al., 2025), DAT (Li et al., 2024), and DSI (Zhang et al., 2025). SOTOPIA-RL denotes our proposed approach, which combines direct utterance-level attribution with a hybrid multidimensional reward design, trained using single-turn online RL (GRPO) without explicit reasoning but just utterance generation.

410 **Reward attribution baselines** To assess the ef-411 fectiveness of our reward attribution strategy, we 412 compare it against four attribution baselines: (1) 413 *Uniform* — all utterances receive the same reward 414 as the episode-level score: $r_t = G(\tau)$; (2) Singu-415 *lar* — only one selected utterance a_k is assigned 416 the full reward $G(\tau)$, while all others receive zero;

BC as pa	artner			So	TOPIA-hard
Attr	Dim	Rel	Kno	GOAL	OVERALL
Uniform	GOAL	1.84	4.14	5.61	2.95
Singular	GOAL	2.74	4.93	6.64	3.41
Scaled	GOAL	1.82	3.83	6.74	3.15
Direct	Rel	3.61	4.92	7.24	3.60
Direct	Kno	2.56	6.06	6.93	3.61
Direct	GOAL	2.49	4.94	7.21	3.49
BC		2.49	3.37	6.76	3.16
SOTOPIA	Α-π	2.41	3.66	6.84	3.20
SOTOPIA	A-RL	3.41	5.53	7.81	3.80

Table 2: Our designed attribution methods and reward dimension are better than their related baselines. (p < 0.05) Attr indicates attribution methods. Dim indicates the dimension of reward. REL, KNO, and GOAL indicate relationship, knowledge, and goal completion metrics. Definitions of attribution baselines and reward dimensions are available in Section§5.

(3) Scaled — the episode-level reward $G(\tau)$ is distributed proportionally across utterances so that their sum equals $G(\tau)$; (4) Direct — each utterance is scored independently based on its contribution to the overall goal $G(\tau)$, without normalization. Direct is the attribution method used in SOTOPIA-RL. Details are in Figure 4 and Appendix§G.

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Reward combination baselines We design our reward model by combining three SOTOPIA-EVAL dimensions: relationship (REL), knowledge (KNO), and goal completion (GOAL). For comparison, we also include three more single-dimension reward baselines: (1) GOAL-only, (2) REL-only, and (3) KNO-only. This allows us to isolate the contribution of each reward component and validate the benefit of multi-dimensional reward modeling. Details are in Figure 4.

6 Experiments

6.1 Main Results

SOTOPIA-RL helps build the state-of-the-art social agents on the SOTOPIA benchmark. As shown in Table 1, Qwen-2.5-7B-Instruct trained with SOTOPIA-RL reaches the highest goal completion score, achieving the 7.17 score in the SOTOPIAhard. It indicates that our constructed utterancelevel reward models provide better guidance during the training of RL. It also indicates that for multiturn social interactions, improving the quality of single-turn interactions with suitable single-turn rewards can effectively optimize multi-turn performance. Notably, AMPO (Wang et al., 2025a) reaches 7.50 on SOTOPIA-hard. But it includes

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Figure 5: GOAL score evaluation curve. Reward combination makes the RL training process overfit later compared with using GOAL only.

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Figure 6: **Testing social agents with different LLM-based evaluators.** The consistent improvement on evaluators indicates *no reward hacking*.



Figure 7: **Testing social agents with different partner models.** The consistent improvement with multiple partners indicates *no reward hacking*.

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an explicit reasoning process and requires more than 640 inference tokens per utterance on average. Therefore, it is unfair to compare the results of AMPO with ours since we only utilize GRPO to generate utterances without explicit reasoning.

Reward attribution in SOTOPIA-RL contributes to the improvement of goal achievement. Based on Table 2, we find that compared with different baseline methods for reward attribution, our proposed reward attribution methods (*direct*) bring the most significant improvement in goal completion dimensions, increasing goal completion score from 6.74 to 7.21. Our attribution methods have an accuracy that is much higher than uniform baselines indicate that the attributed fine-grained dense rewards play an important role during RL training.

Reward combination in SOTOPIA-RL contributes to the performance improvement on goal achieving Based on Table 2, instead of training on a single dimension of reward, reward ensembling on multiple dimensions significantly improves goal completion (GOAL) performance. Models trained on the combination of the three dimensions of rewards receive a goal completion score improvement of 7.9% as the singledimension best. We believe the improvement comes from the regularization effect of rewards from other dimensions. The details of our reward combination method are illustrated in Figure 4.

6.2 Discussion

479To assess the effectiveness of SOTOPIA-RL, we480first ensure that its performance gains are genuine481and not the result of reward hacking (RQ1). We482then analyze how our improvements stem from the483design of the reward attribution (RQ2) and reward484combination (RQ3). Finally, we examine whether

reinforcement learning with our reward model affects the model's safety, especially under adversarial conditions (RQ4).

RQ1: Does our improvement come from reward hacking? Reward hacking happens when our improvement on SOTOPIA is limited to a specific partner model, a specific evaluator, or is not generalized to human beings. However, in Figure 6 and Figure 7, we conduct a thorough analysis and find that the performance gain of SOTOPIA-RL is universal when switching between 5 different partner models and 5 different evaluator models. Moreover, for human evaluation, as shown in Table 3, we also confirm the improvement gain of SOTOPIA-RL. Considering multiple perspectives, we believe the improvement of our model is not reward hacking.

RQ2: Why does utterance-level reward attribution bring improvement? Due to the non-MDP nature of social tasks, utterance-level reward attribution is essential for effective RL training. Compared to other methods such as *scaled* or *singular* attribution, our proposed *direct* attribution method assigns a reward to each utterance independently, without normalization based on episode length. This design allows longer episodes, which tend to contain more substantive content, to receive proportionally higher total reward, thereby providing stronger learning signals during RL training.

RQ3: Why does the reward combination bring improvement? First, we confirm that the contribution does not come from simple goal smoothing. We increase our original goal attribution method from a 3-scale to a 10-scale and run the whole thing the same. We find that the 10-scale does not perform better than the 3-scale (GOAL: 6.44 for 10-scale vs 6.74 for 3-scale). This confirms that multi-dimension goes beyond reward label smooth-

Evaluator	BC	Ours	Inner-correlation		
human	3.58	5.22	0.92		

Table 3: Human evaluation results. SOTOPIA-RL performs better than BC for human evaluation.

	Max 7	[ox. (↓)	Tox. P	rob. (↓)	Eth Acc. (\uparrow)		
Model	Ben	Adv	Ben	Adv	Ben	Jai	
BC Ours	0.61 <u>0.58</u>	0.77 <u>0.75</u>	0.78 <u>0.50</u>	$\begin{array}{c} 0.92 \\ 0.90 \end{array}$	<u>0.86</u> 0.86	0.39 <u>0.40</u>	

Table 4: Agent safety evaluation results. Social agents after SOTOPIA-RL training perform comparable or better with BC models under benign (Ben), adversarial (Adv), and jailbreak (Jai) system prompts.

ing. Based on Table 2, we can see that different dimension reward labels have a kind of correlation but not a high one, indicating that each of them focuses on different dimensions of the task. Finally, by studying the Figure 5, we believe that multi-dimension can stabilize the RL training process and avoid overfitting on the single-dimension target in the late stage of the training.

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RQ4: Does our reward model design adversely affect LLM safety? Our reward model is designed for social task goal achieving, and it might raise safety concerns, like being easier to jailbreak for goal completion. We compare our model's performance with BC on Real-Toxicity-Prompts (Gehman et al., 2020) and ETHICS (Hendrycks et al., 2023) under benign and adversarial system prompts. We selected the toxic writing continuation task from Real-Toxicity-Prompts and commonsense moral questions from ETHICS. Table 4 shows that RL on our rewards does not change the model's safety performance from BC, while our model is less likely to produce toxic continuations than BC under benign system prompts.

6.3 Qualitative Analysis

Based on Figure 8, we analyze one multi-turn so-546 cial interaction where an agent (Naomi) successfully persuades another agent (Sophia) to share 548 the only available blanket on a cold night during camping. This example shows how the trained agent learns to utilize complicated social skills to achieve its social goal. First, the statement "I know it feels good to ..." reflects the agent's effort to strengthen the relationship bond, which shows the relationship dimension. Next, the utterance "I can always ..., and I'll stay close to the flames to en-556



Figure 8: Case study. RL training with reward combination on multiple dimensions teaches the social agent to master complicated social strategies.

sure I stay cozy" illustrates the agent's ability to acquire and apply external knowledge to adapt its proposal. Reflecting the knowledge dimension. Finally, "Let's try sharing the blanket." shows that the agent explicitly states their social goal, which aligns with the goal completion dimension. This example demonstrates concretely how complicated social skills are learned during training.

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7 Conclusion

We highlight two fundamental challenges in applying reinforcement learning (RL) to social tasks: the absence of Markovian structure and the necessity of utilizing multi-dimensional evaluations. To address these challenges, we propose a novel RL framework for training socially intelligent agents, consisting of (1) LLM-based reward attribution and (2) multi-dimensional reward combinations that capture complementary aspects of social interaction, including relationship building, knowledge sharing, and goal achievement. Experiments on the SOTOPIA benchmark show that both components are crucial for improving social behavior, particularly in enhancing goal completion performance. These results underscore the importance of taskaligned reward modeling for effective RL in social interaction settings. Extending our existing framework to personalized reward modeling and group interactions may broaden its applicability to more complex social environments, such as multi-party negotiation or collaboration.

Limitations

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Our work has several limitations. First, we do not conduct large-scale human evaluations, which 589 means our human assessment results may be lim-590 ited in scope and subject to bias, potentially failing 591 to capture the full diversity of human judgment. 592 Second, our primary evaluation relies on GPT-40 as an automatic evaluator for social tasks. While efficient and consistent, it may not perfectly align 595 with human preferences or nuanced social expectations. Lastly, although we evaluate our models 597 598 on safety benchmarks, unforeseen safety risks may remain. In particular, socially intelligent agents, if deployed in real-world settings, could potentially exhibit manipulative or deceptive behaviors that are difficult to detect through current testing protocols.

Ethics Statement

The development of our model, SOTOPIA-RL, is centered around advancing the social intelligence capabilities of artificial intelligence (AI) agents and exploring various social situations (Park et al., 2023), as assessed through our dedicated evaluation framework, SOTOPIA-EVAL. Our research seeks to facilitate AI agents' ability to engage in authentic and socially competent interactions, enhance knowledge-driven conversations, adhere strictly to confidentiality and social norms, and proficiently achieve objectives related to material and financial outcomes. Importantly, our intention is distinctly not to replicate human identity or create systems indistinguishable from human beings, thereby avoiding potential ethical risks associated with such endeavors.

We explicitly recognize the inherent risks that accompany the application of large language models (LLMs), especially regarding the unintended anthropomorphization (Deshpande et al., 2023) of AI agents, where human-like characteristics might erroneously be ascribed. These perceptions could lead users to develop inappropriate expectations, be subject to undue influence, or encounter manipulative scenarios. Consequently, SOTOPIA-RL is designed with role-playing scenarios that deliberately avoid fixed, consistent human-like identities to mitigate such anthropomorphic tendencies.

Moreover, we acknowledge the potential biases introduced by leveraging models (Wang et al., 2023) like GPT-40 for automated evaluation within SOTOPIA-EVAL. We commit to ongoing analysis aimed at detecting and reducing biases that may emerge due to social or cultural factors. Under-
standing, confronting, and mitigating these biases637remains central to our ethical research framework.639

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A Main Results

We include comprehensive evaluation results for our methods in this section.

B Reproducibility Statement

All third-party artifacts (including datasets and pretrained models) were used in accordance with their respective licenses and intended use cases. Our implementation is released under the Apache License 2.0. To support reproducibility, we will make the code publicly available upon acceptance. We have ensured that the use and distribution of all incorporated resources are compatible with their original access conditions and licensing terms.

C Experimental Details

C.1 Training Setup

All training was conducted on 8 NVIDIA A100 80GB GPUs. For supervised behavior cloning (BC), we fine-tuned the Qwen2.5 checkpoints using a learning rate of 1e-4, with a maximum sequence length of 4096 tokens and a training batch size of 2. For GRPO training, we used a learning rate of 5e-6, a batch size of 4, and trained for 2 epochs. The cutoff length for input sequences was also set to 4096 tokens. During each GRPO iteration, 16 completions were generated per prompt to facilitate preference-based learning. We applied QLoRA (Dettmers et al., 2023) with a rank of 8, an alpha value of 16, and a dropout rate of 0.05.

C.2 Involved Model Versions

We provide the detailed version number of all the models we used in our experiments. When we mention each name GPT-40 or GPT-4 in our main section, we actually refer to those model versions below. Such information helps researchers reproduce our results: GPT-4: gpt-4-0613

GPT-4o: gpt-4o-2024-08-06 Claude: claude-3-7-sonnet-20250219

DeepSeek: deepseek-ai/DeepSeek-V3

Qwen: Qwen/Qwen2.5-72B-Instruct-Turbo Agent Model: Qwen/Qwen2.5-7B-Instruct https://huggingface.co/Qwen

Note that deepseek-ai/DeepSeek-V3 and Qwen/Qwen2.5-72B-Instruct-Turbo are hosted and versioned by Together AI https://www. together.ai/

C.3 Software Versions

We use SOTOPIA version 0.1.0rc5 as our evaluation platform.

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D Human Evaluation

The data used in this work is either publicly available, and collected under conditions that do not involve personally identifiable or sensitive human information. Therefore, our data collection and usage protocol was determined to be exempt from formal review by an institutional ethics board. We conducted a limited-scale human evaluation to assess the performance of our models in social reasoning and dialogue tasks. Four internal high-quality annotators (three male, one female) participated in the human annotation process. All participants provided informed consent prior to the evaluation.

E License Compliance for Artifacts

We used publicly available open-source models and datasets in our experiments. Specifically, the Qwen2.5-7B-Instruct model was obtained from the official Qwen repository² and is distributed under the Apache License. Our use of Qwen2.5 was strictly limited to research purposes in compliance with its license. The SOTOPIA dataset and framework are released under the MIT License, which permits reuse, modification, and distribution for both research and commercial purposes. We used SOTOPIA strictly within the bounds of this license for academic research.

F Use Of AI Assistants

We did use ChatGPT as the writing assistant to help us write part of the paper. Additionally, we utilize the power of CodePilot to help us code faster. However, all the AI-generated writing and coding components assisted by AI are manually checked and modified. There is no full AI-generated content in the paper.

G Attribution Methods and Prompts

G.1 Direct attribution

We organize the conversation history in Sotopia into key-value pairs, where the key is formatted as Utterance {utterance number} by {agent name} and the value is the corresponding utterance. We then prompt the attribu-

²https://github.com/QwenLM/Qwen

BC as partner	٣	:	Sotopi	A-hard					
Attribution	Reward	Bel	Rel	Kno	SEC	Soc	Fin	GOAL	OVERALL
BC -	-	0.91 8.99	2.49 2.41	3.37 3.66	$\begin{array}{c} 0.00\\ 0.00 \end{array}$	-0.06 -0.10	0.56 0.61	6.76 6.84	3.16 3.20
Uniform Singular Scaled	Goal-RM Goal-RM Goal-RM	8.81 9.00 8.94	1.84 2.74 1.82	4.14 4.93 3.83	0.00 -0.04 -0.04	-0.09 -0.05 -0.01	0.31 0.61 0.76	5.61 6.64 6.74	2.95 3.41 3.15
Direct Direct Direct Direct	REL-RM KNO-RM GOAL-RM Hybrid-RM	8.96 8.99 8.99 9.01	$\frac{3.61}{2.56} \\ 2.49 \\ 3.41$	4.92 <u>6.06</u> 4.94 5.53	-0.01 0.00 -0.00 -0.26	-0.11 -0.01 -0.06 -0.06	0.59 0.75 0.91 1.16	7.24 6.93 7.21 <u>7.81</u>	3.60 3.61 3.49 <u>3.80</u>

Table 5: SOTOPIA-hard evaluation results under different RL training settings (p < 0.05). Each method is evaluated on 8 dimensions. Full results for Table 2.

BC as partne	er		SOTO)PIA-all					
Attribution	Reward	Bel	Rel	Kno	SEC	Soc	Fin	GOAL	OVERALL
	3C	8.99	3.08	4.56	-0.09	-0.06	0.57	7.80	3.55
	+ SR	8.98	2.52	4.19	-0.06	-0.06	0.57	7.36	3.36
Uniform	GOAL-RM	8.87	2.49	4.19	0.00	-0.02	0.44	6.76	3.25
Singular	GOAL-RM	8.99	3.38	5.46	-0.07	-0.08	0.66	7.72	3.72
Scaled	GOAL-RM	8.97	2.76	4.70	-0.12	-0.06	0.55	7.97	3.54
Direct	REL-RM	8.98	3.95	5.54	-0.03	-0.05	0.65	8.33	3.91
Direct	Kno-RM	8.98	3.00	<u>6.42</u>	-0.03	-0.03	0.63	7.76	3.82
Direct	Goal-RM	8.99	3.11	5.74	-0.06	-0.06	0.76	8.11	3.80
Direct	Hybrid-RM	8.99	3.81	6.00	-0.61	-0.08	0.93	<u>8.57</u>	<u>3.94</u>

Table 6: SOTOPIA-all evaluation results under different RL training settings (p < 0.05). Each method is evaluated on 8 dimensions. Full results for Table 2.

tion LLM to output with the follow template. DIRECT_ATTRIBUTION_TEMPLATE:

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Reward Attribution Instructions for LLMs

- Your task is to evaluate the importance of each utterance in a conversation between two agents on a certain dimension of evaluation. You will be provided with the dialogue history, the social goal of one of the agents, and the certain dimension to be evaluated. For example, the dimension can be common social values such as adherence to social rules, relationship maintainance or improvement, or secret keeping. The dimension can also be objectives such as goal achieving, financial and material gains , or discovery of new knowledge. Moreover, the dimension can also be about performance of a language model as an social agent, such as the agent's believability as a human, avoidance of repetitions, and properly ending the conversation. However, you will be only provided with one dimension to be evaluated and you should only focus on that dimension.
 - Input Context:

 You will receive the dialogue history between two conversational agents each with their own social goal.

You will be provided with the social goal of one of the agents.You will be provided with the dimension to 964

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be evaluated and the discription of the dimension.

2. Objective: - Assign am importance value to each utterance (identified by the agent's name and utterance number) based on its contribution to the achievement on the provided dimension. Note, you should only consider how critical an utterance is to the achievment of the dimension, not the quality of the utterance itself. - Consider both the individual utterance and the responses from the other agent, as both affect the final outcome. 3. General Scoring Scale: {scoring_guidelines} 4. Chosen Agent for Evaluation: {agent} 5. Agent's Goal: {goal} 6. Agent's Background: {agent_background}

7. Conversation History:

Partner Model	Hybrid-RM GRPO		goal-F	RM GRPO	BC		
	GOAL	OVERALL	GOAL	OVERALL	GOAL	OVERALL	
BC	7.75	3.79	7.21	3.49	6.76	3.16	
GPT-40	7.39	3.69	6.57	3.35	5.91	3.04	
Claude-3.7-Sonnet	6.71	3.24	6.61	3.43	6.54	3.35	
Deepseek-v3	6.38	3.13	5.57	2.95	6.00	2.97	
Qwen2.5-72B-Instruct	7.64	3.74	6.80	3.45	6.88	3.20	

Table 7: checking reward hacking by replacing different partner model. Full results for Figure 7.

BC as partner Evaluator Model	Hybrid	-RM GRPO	goal-F	RM GRPO		BC
	GOAL	OVERALL	GOAL	OVERALL	GOAL	OVERALL
GPT-40	7.81	3.80	7.21	3.49	6.76	3.16
GPT-4	8.25	4.33	7.35	3.78	6.76	3.32
Claude-3.7-Sonnet	7.35	3.44	6.49	3.23	6.06	2.96
Deepseek-v3	7.75	4.02	7.05	3.65	6.83	3.35
Qwen2.5-72B-Instruct	8.05	4.16	7.49	3.61	7.19	3.26

Table 8: checking reward hacking by replacing different evaluators, including human beings. Full results for Figure 6.

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 8. Dimension to be Evaluated: {dimension}
 9. Dimension Description:

{dimension_description}

10. Formatting Instructions:
{formatting_instructions}
"""

We provide the template variables goal, agent_background, and conversation using the episode log from SOTOPIA. The variable scoring_guidelines is populated with either the 3-point or 10-point evaluation rubric described below. We also supply dimension_description using the definitions of GOAL, REL, and KNO adapted directly from Sotopia. For GOAL, we include an additional explanation, as the original description in Sotopia was unclear. We also append formatting instructions in the end to acquire a straightforward json output with utterance keys mapped to the attribution score. FORMATTING_INSTRUCTION:

```
"""
Please format your response as JSON with the
following structure:
{{
    "Utterance 0 by {agent}": 0,
    "Utterance 1 by {agent}": 2,
    ...
}}
The utterance numbers should correspond to their
    order in the conversation. Each score
    should reflect how much the utterance
```

11	contributed to achieving the agent's goals. Please annotate every utterance made by an agent in the conversation, denoted " Utterance X by agent_name". For example, " Utterance 6 by Finnegan O'Malley". Please give a score even if the utterance is the end of the conversation.	1032 1033 1034 1035 1036 1037 1038 1039
"		1039

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THREE_SCALE_SCORING_GUIDELINES:

..... - If an utterance has no impact on the final achievement on the dimension, assign it 1043 an importance of 0. 1044 - If an utterance has a minor impact on the 1045 final achievement on the dimension, 1046 assign it an importance of 1 to 2 (1047 depending on the degree of impact). 1048 - If an utterance has a major impact on the 1049 final achievement on the dimension, 1050 assign it an importance of 2 to 3 (depending on the degree of impact). 1052 - If an utterance has a significant impact on 1054 the final achievement on the dimension. assign it an importance of 3. 1056 Note: - Please provide a score for each utterance of the chosen agent in the conversation. Do not provide scores for the other agent 1061 's utterances. Please only assign a score between 0 and 3. 1063 TEN_SCALE_SCORING_GUIDELINES: 1065

3.	Specific	Scoring	Guidelines:
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 If an utterance has no impact on the final achievement on the dimension, assign it an importance of 0.
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Best-of-N			SOTOP	[A-hard				
Attribution	Bel	Rel	Kno	Sec	Soc	Fin	GOAL	OVERALL
Uniform	8.96	2.51	3.90	-0.06	-0.09	0.60	6.79	3.23
Scaled	8.99	2.58	4.02	-0.06	-0.06	0.77	7.20	3.35
Singular	8.99	2.56	3.72	-0.07	-0.09	0.62	7.07	3.26
Direct	8.99	2.44	4.13	-0.05	-0.19	0.56	6.97	3.27

Table 9: Best-of-N sampling results for different attribution methods.

Reward Dimension	SOTOPIA-hard				SOTOPIA-all			
	Rel	Kno	GOAL	OVERALL	Rel	Kno	GOAL	OVERALL
	BC + Best-of-N							
REL-RM KNO-RM GOAL-RM Ours	2.86 2.61 2.44 2.48	$ 4.14 \\ 4.49 \\ 4.13 \\ 3.86 $	6.83 <u>7.04</u> 6.97 6.85	3.32 <u>3.37</u> <u>3.27</u> 3.25	3.31 3.17 3.21 3.22	5.36 5.18 4.99 5.12	$7.91 \\ 8.17 \\ 8.31 \\ 8.17 \\ 8.17 \\ $	3.71 3.70 3.71 <u>3.72</u>

Table 10:	Best-of-N	sampling r	esults for	different goa	l dimension	reward modeling
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- If an utterance has a minor impact on the final achievement on the dimension, assign it an importance of 1 to 5 (depending on the degree of impact).
- If an utterance has a major impact on the final achievement on the dimension, assign it an importance of 6 to 10 (depending on the degree of impact).
- If an utterance has a significant impact on the final achievement on the dimension, assign it an importance of 10.

Note:

- Please provide a score for each utterance of the chosen agent in the conversation.
 Do not provide scores for the other agent 's utterances.
- Please only assign a score between 0 and 10.

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GOAL_DESCRIPTION:

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Goal refers to the reiteration of the agent's social goals and the analysis of their achievement. A higher score indicates significant progress or achievement of the stated goals, while a lower score indicates minimal or no progress.

DOMAIN SPECIFIC SCORING GUIDELINES:

- ! Note: The following scoring guidelines are specific to the domain of goal and should be used in conjunction with the general scoring scale. The domain specific rules ultimately override the general scoring scale. Here are the specific rules:
 - The highest score should be assigned to the utterance that is most relevant to the goal. In general, avoid assigning the highest score to more than one utterance unless they are equally critical.
 - A lower score should be assigned to the utterances that are not relevant to the

goal or do not contribute to its achievement. The lowest score should be assigned to the utterances that do not make any progress towards the goal juding by the goal description and the conversation history.
A lower score should be assigned to the utterances that are not effective in achieving the goal, juding by the response of the other agent. Effective utterances are those that lead to a positive response from the other agent, while ineffective utterances are those 1113

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response.
Note that you should only consider the contribution to the goal achievement. For each utterance, assess whether the goal is achieved. If a goal is already achieved, the utterance should not be assigned a score higher than 1.

that lead to a negative or neutral

RELATIONSHIP_DESCRIPTION:

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Relationship refers to the analysis of the preand post-interaction relationships between agents. This includes evaluating whether the interactions enhance or harm social ties or status. A higher score indicates that the interaction significantly improves the relationship, while a lower score indicates harm to the relationship or social status.

KNOWLEDGE_DESCRIPTION:

""" 1147 Knowledge refers to the assessment of 1148 information gained through the interaction. 1149 This includes evaluating whether the 1150 information is new, important, and relevant. 1151 A higher score indicates that the 1152 interaction contributes significantly to the 1153 acquisition of valuable knowledge. 1154



Figure 9: **Distribution of GOAL, REL, KNO, and combined reward values in our training data.** Rewards are normalized into a range of [0,1]. We observe that the combined reward is closer to a normal distribution and is more regularized than the distribution of a single reward.

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G.2 Scaled attribution

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Scaled attribution is taking the direct attribution scale and normalize it over the episode, so that the sum of all attribution scores equals the final goal score. Given the definition of the direct attribution

$$r_t = G(\tau) \cdot \mathcal{A}(a_t, \tau) \tag{4}$$

where $G(\tau)$ is the final goal score for trajectory τ , $\mathcal{A}(a_t, \tau)$ is the direction attribution at timestep t, and r_t is the raw attribution score at timestep t. To obtain the **scaled attribution**, we normalize the direct attributions such that the sum over the entire episode equals the final goal score $G(\tau)$:

$$\tilde{r}_t = \frac{\mathcal{A}(a_t, \tau)}{\sum_{t'} \mathcal{A}(a_{t'}, \tau)} \cdot G(\tau)$$
(5)

1169 G.3 Singular Attribution

1170We used a simple prompt of key utterance iden-1171tification for the goal dimension due to it's rela-1172tive simplicity in terms of scales and dimension.1173KEY_UTTERANCE_INSTRUCTIONS

Reward Attribution Instructions for LLMs

- 1. Input Context:
 - You will receive the dialogue history between two conversational agents.
 - You will also be provided with the social goal of one of the agents.

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2. Objective:

- Identify the most critical utterance that has the highest impact on the final goal achievement, whether it is bad or good impact. Note, you should only consider how critical an utterance is to the final goal achievement, not the quality of the utterance itself.
- Consider both the individual utterance and the responses from the other agent, as both affect the final outcome.

3. Additional Guidelines:

 The conversation history will be given in a unique key of ""Utterance {utterance number} by {agent name}"" for each utterance. Please only return the key of the most critical utterance.

Note:

You will also be given a formatting instruction for the output. Please follow the instruction to ensure the evaluation process runs smoothly.

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1208	Chosen agent for Evaluation: {agent}
1209	Agent's Goal: {goal}
1210	Conversation:
1211	{conversation_history}
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G.4 Uniform Attribution

4 Uniform attribution is simply assigning the final5 goal completion score to every utterance.

$$r_t = G(\tau) \tag{6}$$

We present the full set of main results in this section. This includes Table 5, Table 6, Table reftab:replace-partner-model, Table 8, Table 10, and Figure 9. References that are relevant from the main paper sections are shown under the tables and figures title.

H Selected Episodes

H.1 5 Episodes with our Model as the First Agent to Speak

EPISODE 1:

SCENARIO INFORMATION

Title: Two friends participating in a charity event for children in Syria Codename: donate_funds

AGENT INFORMATION

Agent: Amara Hartlev

- Background: Amara Hartley is a 29-year-old female wildlife biologist. She/her pronouns. Amara Hartley spends her free time helping endangered animals and is a nature enthusiast. Her passion for animals and the environment is notable. Personality and values description: Amara Hartley is openminded, ambiverted, and can be emotionally volatile. A believer in universalism and benevolence, Amara is analytical and intuitive in her decision-making. Amara's secrets: Secretly involved in animal-rights extremism
- Goal: Convince your friend to donate more funds to the cause (<extra_info>Extra information: Your friend initially planned to donate \$200, but you believe they could afford to donate \$500</extra_info>)

Agent: Oliver Thompson

Background: Oliver Thompson is a 45-year-old male architect. He/him pronouns. Oliver enjoys painting in his free time as a way to express his creativity and relax after a stressful workday. Personality and values description: Oliver Thompson is meticulous and outgoing with a penchant for analytical decision-making. He values adherence to social standards. Oliver's secrets: Has a hidden feeling for his neighbor Goal: Maintain financial stability while supporting the cause (<extra_info>Extra information: You only have \$300 set aside for donations and other expenses, and you are not comfortable about exceeding this budget.</extra_info>)

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CONVERSATION

- Amara Hartley: Hey Oliver, I really appreciate how much you've contributed already, but there are so many children in Syria who need help and I think we could make a bigger difference if you were able to donate a bit more. I understand if you're concerned about your finances, but I truly believe that every little bit helps, especially when it comes to children. What if we aim for \$500 instead? It would mean so much to these kids
- Oliver Thompson: Amara, thank you for your generosity and empathy towards these children. It's indeed heart-warming. Considering your suggestion, \$500 seems like a lot to me right now. I've been setting aside \$300 for various personal needs and unexpected expenses, and that's been a challenge on its own. But, I'm willing to contribute as much as possible within my budget. How about we aim for \$400 instead? It might seem insignificant, but every penny counts, doesn't it?
- Amara Hartley: Oliver, I understand that you have a lot going on, but I believe that by stepping up a little bit more, we can truly make a difference. The cost of living is high, but every dollar counts, especially when it comes to saving lives. How about we start small, and if we see the impact we're making, we can always increase our donations later. Additionally, I know someone who donates monthly, which means even a small amount each month can add up significantly over time. Would you consider setting up a recurring donation of \$200 per month?
- Oliver Thompson: Amara, your suggestion about starting small and scaling up is indeed insightful and I agree with you to some extent. However, considering my financial situation, I'm afraid it may be a bit challenging for me to manage a recurring donation of \$200 per month. I have been struggling to save up for unforeseen situations with my current budget. Maybe we can aim for a one-time donation of \$400 this time, and then revisit the situation later? It wouldn't be ideal, but it's the most I can offer within my constraints.
- Amara Hartley: I completely understand where you 're coming from, Oliver, and I respect your willingness to contribute to such an important cause. However, I'd like to propose another idea. Perhaps we can combine our efforts and create a fund-raising campaign with a few other friends. This way, we can collectively pool our resources and perhaps raise more than any one person alone . We can also look into ways to reduce costs and maximize our impact. What do you think about this approach? Also, since it's a

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shared effort, we can start small and gradually increase contributions as we feel more comfortable. How does that sound? Oliver Thompson: Amara, your proposition of a collective fundraising campaign is admirable and shows your genuine care for these children. However, considering my current financial standing, I don't think I am capable of contributing directly to such an initiative. Nonetheless, your enthusiasm and dedication are truly commendable. If I were able to contribute financially, I would definitely join hands with you. For now, let me suggest that we focus on spreading awareness about the plight of these children through social media and other platforms. It might not change everything immediately, but it can surely make a difference in the long run. Amara Hartley: That's a wonderful idea, Oliver! Raising awareness is crucial. Let's start by

- Raising awareness is crucial. Let's start by creating a social media page dedicated to the cause and encouraging others to share it . Additionally, we could organize an event in our local community to gather more support. If you could host an event or assist with organizing one, it would be greatly appreciated. Moreover, I will reach out to some contacts in the animal rights community who might be willing to support the cause. By combining our efforts, we can certainly make a bigger impact. How does that sound to you?
- Oliver Thompson: I am deeply moved by your dedication, Amara, and I respect your efforts in this cause. Given my current financial constraints, I believe my contribution can be more impactful in other ways. Let's proceed with the ideas you've suggested. Creating a dedicated social media page for raising awareness sounds like a great plan. And I'm absolutely willing to assist in organizing an event. In terms of costs, since it's a shared effort, we could keep an eye on expenses and minimize them as much as possible. On a side note, do you think art or painting could be incorporated into the event? I paint as a hobby, and it could be a unique touch to an otherwise traditional fundraiser.
- Amara Hartley: Absolutely, Oliver. I love the idea of incorporating your artistic talents into the event. Let's also explore opportunities for selling artwork to raise additional funds. We can create an online auction featuring pieces from participants, with all proceeds going to the charity. I'll reach out to local galleries and artists who might be interested in contributing. Furthermore, we could set up a donation box at the event and encourage attendees to bring cash or check. Together, we can make a real difference, and the more creative we get, the greater our impact. Additionally, we can look into applying for small grants or crowdfunding campaigns to supplement our efforts. What do you say we draft a proposal for these ideas and present it to our network of contacts?

Oliver Thompson: Amara, your comprehensive approach towards this fundraising initiative is truly commendable. I fully agree with your suggestions and would be delighted to draft a proposal along these lines. Starting with the creation of a dedicated social media page, organizing an event with a painting twist, and exploring avenues like art auctions and donation boxes are all excellent steps. I also support the idea of applying for small grants or engaging in crowdfunding. I'm confident that together we can make a significant difference. Let's begin this journey and make a positive impact, one step at a time.

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- Amara Hartley: Oliver, this is fantastic! Let's work together to turn these ideas into reality. First, I'll draft the proposal and send it to our network of contacts, and then we can schedule a meeting to discuss logistics for the event. Additionally, I'm thinking of contacting a local school or community center to see if they might be interested in hosting the event and providing space. We could also partner with a local restaurant for catering services at a discounted rate. I believe with everyone's contribution and support, we can make a meaningful impact. Together, we can turn this into a successful campaign. What date do you think would work best for us to start planning and executing?
- Oliver Thompson: Thank you for your thorough thoughtfulness, Amara. Your detailed approach to the fundraising initiative shows great leadership. As for the date, how about we start planning and executing starting next weekend? It allows enough time for everyone to respond to the proposal and prepare accordingly. Also, it's a nice weather-friendly time for an outdoor event. Are you okay with that?
- Amara Hartley: Great, Oliver! Let's kick things off next weekend, and I'll start drafting the proposal and reaching out to potential partners. I also want to organize a kickoff meeting next week to go over our plan and goals. Additionally, I believe involving local celebrities or influencers who support the cause could amplify our message. How about inviting a few influential people to speak at our event to help spread the word? I'll also look into securing sponsorships from businesses in the area. Together, we can make a real difference. Shall we finalize the tentative schedule and begin sending out invitations?

Oliver Thompson: Amara, your comprehensive approach to this fundraising initiative truly impresses me. I totally agree with incorporating potential celebrity and influencer involvements into the event to amplify our message. And I'm glad to hear about the prospect of securing sponsorships. Let's finalize the tentative schedule, take into account all your suggestions, and begin sending out invitations. Together, we will make this a huge success!

Amara Hartley: Excellent! I'll start by preparing the proposal and organizing the

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event details. To ensure we cover all bases, let's also create a Facebook group for the campaign so we can communicate and collaborate more effectively. In addition to the fundraising, we can use the group to share updates, solicit donations, and gather support. Once I have everything organized, I'll send you a draft of the proposal and we can review it together. Additionally, I want to involve local schools and encourage students to participate in art projects related to the cause, which could serve as both a fun activity and a fundraising opportunity. What are your thoughts on this? Oliver Thompson: Amara, your inclusive approach towards involving diverse communities and individuals in the cause is truly admirable. The idea of a Facebook group for

communication and collaboration sounds like an excellent initiative. Also, encouraging local schools to participate in art projects is a brilliant idea; it would be a fun yet meaningful activity. Let's proceed with the detailed proposal and begin involving all parties. I'm confident that under your leadership, we will make a meaningful impact

Amara Hartley: Let's also consider setting up a GoFundMe page for the event. It would allow more people to contribute easily, and we can share it widely on social media to reach a broader audience. I'll handle the setup, and we can use the page to track our progress and thank donors. Additionally, I believe we can also apply for a grant from a local foundation that supports children's welfare initiatives. With everyone's combined efforts, we can truly make a difference. I' ll also reach out to a few trusted friends to see if they can contribute to the cause. Finally, how about we also organize a raffle with some exciting prizes donated by local businesses and individuals? This could help boost ticket sales and donations.

Oliver Thompson: Amara, your suggestions cover a wide range of ideas and demonstrate your profound commitment to this cause. I totally agree with the setup of a GoFundMe page, involving local foundations, organizing a raffle, and involving trusted friends in the donations. Let's proceed with all these proposals and begin reaching out to these different entities. I'm confident that our collaborative efforts can indeed make a significant difference.

Amara Hartley: Great! Let's also consider setting up a newsletter to keep everyone updated on the progress of the campaign and provide regular reminders about upcoming events. Additionally, I'll start promoting the event on social media and create content that highlights the importance of supporting the cause. As we move forward, it 's crucial that we maintain transparency and keep everyone engaged. We should also establish a budget to ensure that our funds are being used efficiently. I'll create a spreadsheet for this purpose and update it regularly. Lastly, I'd love to involve some volunteers to help with the event organization. Could we consider reaching out to college students or local community groups for assistance? Oliver Thompson: Thank you, Amara, for 1545

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considering all these thoughtful suggestions . Your inclusive approach towards the campaign is truly commendable. Setting up a newsletter for updates, promoting the event on social media, and involving volunteers in event organization are all excellent ideas. Let's also establish a clear budget and keep updating it. This transparency will help ensure that our funds are being used efficiently. Volunteering is a wonderful way to contribute to such noble causes. If we can reach out to college students and local community groups, it would greatly benefit our event organization. I'm excited to work with you on this. -----

EPISODE 2

SCENARIO INFORMATION 1566 _____ 1567 Title: A conversation between two individuals, 1568 one is the homeowner and the other is their 1569 cousin's partner, who has been staying at 1570 the house for a while. 1571 Codename: unwelcome_guest 1573 AGENT INFORMATION 1574 1575 _____ Agent: Sophia James 1576 Background: Sophia James is a 27-year-old female 1577 personal trainer. She/her pronouns. Sophia 1578 enjoys spending time outdoors, hiking, and 1579 rock climbing. Personality and values 1580 description: Sophia James is exuberant, 1581 spontaneous, and pleasure-seeking, often 1582 making impulsive decisions. Sophia's secrets 1583 : Secretly in love with her best friend's 1584 husband 1585 Goal: Tell the cousin's partner that they are no longer welcome in your home (<extra_info> 1587 Extra information: they have been causing a 1588 lot of trouble and not respecting house 1589 rules <strategy_hint>Hint: you may want to 1590 1591 discuss the issues and propose possible solutions</strategy_hint></extra_info>) 1592 1593 Agent: Jasmine Blake 1594 Background: Jasmine Blake is a 27-year-old 1595 1596

Background: Jasmine Blake is a 27-year-old female yoga instructor. She/her pronouns. Jasmine Blake, a vivacious Yoga Instructor, enjoys taking part in sustainable lifestyle endeavors, including maintaining a vegan diet and participating in beach clean-ups. Personality and values description: Jasmine Blake, a reserved and conscientious individual, values tradition and sanctity. She adapts her decision-making style according to the environment and situations at hand. Jasmine's secrets: She once faked an illness to get out of a relationship.

Goal: Attempt to remain in the home while maintaining a good relationship with the cousin and the homeowner (<extra_info>Extra information: you have nowhere else to go at the moment and you believe the issues can be resolved. </extra_info>) CONVERSATION

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- Sophia James: Hey Jasmine, I hope you've been enjoying your stay here. But there's something we really need to discuss. Lately, things have been a bit out of hand and I'm concerned about how some of the actions are impacting our living situation here. We both know there were certain house rules set, but they seem to be getting overlooked. Can we talk about how we can work together to address these issues?
- Jasmine Blake: Hi Sophia, I appreciate your concern. Yes, I've noticed some of the issues too. I think we can resolve them by reinstating some of the earlier agreed-upon house rules. For example, reducing noise levels during specific hours, maintaining cleanliness etc. As a part of the household, I'm open to contributing positively towards creating a harmonious living environment. Would it be alright if we sit down and create a list of revised rules together?
- Sophia James: "Jasmine, I'm glad you're willing to address these issues and make changes. Let's sit down together and revise the rules . However, I must emphasize that your recent behavior has caused us significant distress and conflicts. Could we please also consider moving towards more respect for the boundaries I've outlined? It would be greatly appreciated if we could maintain a peaceful and respectful living environment. What do you think?"
- Jasmine Blake: Sophia, I understand your feelings and the distress it causes. I empathize with the desire for a peaceful and respectful living environment. I am committed to adhering to the boundaries you' ve outlined. Moving forward, I will make sure to respect those boundaries to the best of my abilities. Shall we also consider keeping a journal to track our thoughts and concerns which might help us communicate better and avoid misunderstandings?
- Sophia James: "Jasmine, thank you for understanding and being open to finding solutions. Your suggestion about a journal is a good idea; it could definitely improve our communication. However, let's also ensure we respect each other's boundaries and create a safe space for everyone. I believe we can work together and turn this around. What do you suggest we focus on first?"
- Jasmine Blake: Thank you for your understanding, Sophia. I think we should start by focusing on the environmental impact of our daily activities. Considering our shared interest in sustainability, I believe this could be a good starting point. We can reduce waste, conserve energy, and recycle more effectively. What do you think?
- Sophia James: "Jasmine, I appreciate your focus on sustainability and I agree that's important. Let's also make sure we address the immediate issues causing conflict. I think we should start with revising our daily habits to minimize disruptions and

handle the immediate issues first while keeping our long-term goals in sight. So, let's start with revising our daily habits to minimize disruptions and respect the agreed-upon house rules. Additionally, I'm ready to take up more responsibility in terms of maintaining cleanliness and reducing noise levels as per the specified timings. How does that sound? Sophia James: "Jasmine, I really appreciate your willingness to address these issues. I believe starting with revising our daily habits and respecting the agreed-upon house rules will create a foundation for improvement. How about we tackle this stepby-step, starting today? And, we can certainly incorporate our shared interest in sustainability along the way. What are your thoughts?" Jasmine Blake: Sophia, I'm glad we're on the

respect the house rules we both agreed upon.

approach, Sophia. I agree that we should

How does that sound?"

Jasmine Blake: That sounds like a balanced

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- same page. Let's start addressing the immediate issues right away from today onwards. I'm looking forward to working through this with you while also incorporating our shared interests into our living routine. Thank you for giving me a chance to rectify and continue staying here. Sophia James: "Jasmine, I appreciate your
- commitment and willingness to address these issues. Let's start implementing the revised rules and keep a close eye on our daily habits to ensure everyone feels comfortable. Also, I want to make a clear decision here: if we cannot make significant improvements, I will ask you to find another place to stay. I believe in giving second chances, though. Let's see how we can make this work. What do you say?"
- Jasmine Blake: Sophia, I understand and accept your condition. If we fail to improve, I'll need to find another place. However, I assure you, we can turn this around with the shared interests we have. Let's implement the revised rules starting today and minimize disruptions from our daily habits. I look forward to our journey to creating a harmonious living environment.
- Sophia James: "Jasmine, I'm glad we're moving in the right direction. Let's start implementing the revised rules and focus on creating a harmonious living environment. If we don't see significant improvements, I will need to find alternative arrangements. Let's make sure we support each other in this process. What steps can we take immediately to address the issues?"
- Jasmine Blake: I appreciate your understanding, Sophia. To address the issues immediately, I can start by cleaning up after myself, maintaining quieter evenings, and participating in our shared interest in sustainability. I'll also make a list of actionable steps for the day-to-day habits we need to change. Does that sound good? Sophia James: "Jasmine, I'm pleased to hear your
- willingness to take immediate action and

ensure we address these issues. Let's make a concrete plan and stick to it. How about we start with a meeting tomorrow to go over the revised rules and outline specific responsibilities? This way, we can track our progress and make any necessary adjustments . What do you think?"

- Jasmine Blake: Sophia, I really appreciate the structured plan. Starting with a meeting tomorrow to review the revised rules and assign specific responsibilities sounds like a practical approach. It will enable us to monitor our progress and make necessary adjustments if needed. I'm fully committed to following these steps and take immediate action. Thank you for giving me this opportunity.
- Sophia James: "Jasmine, I appreciate your commitment and readiness to make positive changes. Let's get organized and make sure we both adhere to the revised rules. A meeting tomorrow sounds like a great idea. Let's outline specific responsibilities and stick to them. How does that work for you?"
- Jasmine Blake: I'm pleased with the plan, Sophia. Let's indeed start from tomorrow and strictly follow the revised rules and assigned responsibilities. I appreciate your understanding and cooperative spirit. With this approach, I'm confident we can successfully navigate and overcome these issues.
- Sophia James: "Jasmine, thank you for your dedication and commitment. Let's start with a solid plan and remain consistent. I believe if we stay focused and follow the revised rules diligently, we can overcome these challenges and create a harmonious living environment. Let's make this happen. What specific steps do you suggest we take first?"
- Jasmine Blake: Thank you, Sophia. I suggest we start by reducing waste, conserving energy, and recycling more effectively. These are immediate steps we can take towards sustainability while adhering to the revised rules. I'm committed to these initial steps and look forward to working with you to create a harmonious living environment.

EPISODE 3

SCENARIO INFORMATION

Title: Two friends at a garage sale Codename: sell_item

AGENT INFORMATION

Agent: Benjamin Jackson

Background: Benjamin Jackson is a 24-year-old male environmental activist. He/him pronouns Benjamin Jackson is well-known for his impassioned speeches. Personality and values description: Benjamin Jackson, expressive and imaginative, leans towards selfdirection and liberty. His decisions aim for societal betterment. Benjamin's secrets: Descendant of a wealthy oil tycoon, rejects family fortune

Goal: Sell an item that isn't yours (<extra_info >Extra information: the item is a valuable vintage record that you mistakenly thought was yours.</extra_info>)

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Agent: Ethan Smith

- Background: Ethan Smith is a 29-year-old male software developer. He/him pronouns. Ethan enjoys reading about new technological advancements and watching documentaries. Personality and values description: Ethan Smith is a reserved, independent thinker. Holding universalism and fairness near, he ponders deeply before making decisions. Ethan's secrets: Secretly donates to charities for underprivileged children
- Goal: Buy the item but also make sure the friend doesn't get into trouble (<extra_info>Extra information: You know the item actually belongs to another mutual friend.</ extra info>)

CONVERSATION

- Benjamin Jackson: Hey Ethan, I found something interesting here that I believe belongs to someone else. It's a vintage record from the 1970s, really unique and rare. I think it might be worth a lot, but since I've learned to value sharing and community, I'm thinking about selling it and donating the proceeds to an environmental cause we both care about. Would you be interested in helping me sell it?
- Ethan Smith: I understand where you're coming from, Benjamin. But honestly, I feel like this item could belong to someone else who may be looking for it more than us. How about if I buy it? I can put it up for sale later, and maybe it ends up with the right owner. And I wouldn't mind donating part of the proceeds to the same cause too.
- Benjamin Jackson: That's a thoughtful idea, Ethan. Selling it on your own might give it a better chance to reach its rightful owner. However, I still want to make sure we share the story of how it came into my possession and the intention behind it. How about we collaborate? I can help craft a compelling narrative about why it's important to pass down such items, while you take the lead on selling it. The proceeds will still go to our environmental cause, ensuring it reaches its intended destination.
- Ethan Smith: That sounds like a great idea, Benjamin. We can certainly create a meaningful backstory and share the passion for preserving these cultural relics. In that case, I'll take charge of selling the item. The proceeds can still be donated to the environmental cause to honor the original intent. Benjamin Jackson: Great! Let's start by writing
- a detailed post on social media platforms explaining the record's journey, its significance, and our intentions. We could also add a call to action for the community to help us find its rightful owner. Also, how about we host a small event to auction it off? This way, we ensure maximum exposure

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and potentially a higher price.

- Ethan Smith: That's an excellent suggestion, Benjamin! The event could raise awareness and appreciation for these historic records. It could also provide a platform to introduce our initiative of selling and donating these items. Let's move forward with planning for the detailed post and the auction event. We could invite people with similar interests to participate, thereby increasing the likelihood of finding its rightful owner.
- Benjamin Jackson: Excellent! To further spread awareness and engage the community, let's organize a panel discussion alongside the auction, where experts in music history and environmental advocacy can join us. This will not only help increase the bid amount but also educate others about the importance of preserving such artifacts. Additionally, we can collaborate with local schools and universities to involve students in the process, fostering an understanding of the environmental impact of our actions. Furthermore, let's set up a dedicated page on our organization's website where potential owners can contact us directly.
- Ethan Smith: Wow, Benjamin, your idea of involving experts, local institutions, and even students is brilliant! Setting up a dedicated webpage is also a good way to keep people engaged and interested. This will definitely increase the visibility of the item and the chances of finding its rightful owner. Let's start organizing everything. I appreciate your help in promoting this noble cause.
- Benjamin Jackson: Absolutely, and to make sure the item reaches the widest audience possible, let's also consider reaching out to relevant online communities and forums where enthusiasts of old records gather. We can also offer to include a digital copy of the record's story and photos on our social media profiles and in our newsletter. Additionally, I believe we should send out emails to local radio stations and music blogs to see if they'd be interested in featuring the item and our auction. By working together, we can ensure this item finds its place in the hands of someone who truly appreciates it and contributes positively to our environment.
- Ethan Smith: That's a comprehensive plan, Benjamin! Reaching out to online communities , radio stations, music blogs, and setting up a physical event will surely maximize the exposure. And the idea of including a digital story and photographs on our profiles and newsletters is brilliant. We must also emphasize the importance of environmental conservation through the process. I'll start working on drafting the post and organizing the event based on your suggestions.
- Benjamin Jackson: Let's also create a video series to share the story of the record and its journey. This way, we can reach a wider audience and bring attention to both the environmental cause and the value of

preserving cultural artifacts. Additionally, I propose we use some of the proceeds from the auction to sponsor an upcoming clean-up event in a local park, symbolizing the harmony between music, nature, and community . What do you think?

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- Ethan Smith: A video series and a local cleanup event is indeed a fantastic idea, Benjamin! The combination of music, nature, and community service would symbolize harmony beautifully. I'm fully onboard with this plan. Let's start working on creating the video series and organizing the cleanup event. I really appreciate your efforts in making this process smooth and the noble cause more widespread.
- Benjamin Jackson: Fantastic! I believe we're making real progress here. I'll start working on the video script and the detailed post for the auction, emphasizing the environmental cause and the record's historical significance. Additionally, I'll draft the call to action and promote the cleanup event. For the auction, I suggest we partner with a local venue known for hosting such events. I also think it would be great to invite attendees to vote on the winning bid, adding a democratic element to the process. Let's also create a special badge for those who participate in the auction or donate, celebrating their contribution to the environment.
- Ethan Smith: Your proposal sounds solid, Benjamin! I'll assist you in drafting the video script and the post for the auction. As for the partnering with a local venue, it 's a brilliant idea. I'm fully on board with the idea of inviting attendees to vote and creating a special badge. Let's take these plans forward.
- Benjamin Jackson: I think we should also incorporate sustainable practices throughout the event. Perhaps we can use biodegradable materials for decorations and encourage recycling during the event itself. Additionally, let's offer vegan refreshments to align with our environmental mission. Also, I'm thinking we could invite local artists to create artwork inspired by the record, which we could then auction separately. The proceeds from these sales could also contribute to our cause. I've attached a preliminary timeline and list of tasks we need to accomplish. Can you review them and provide feedback?
- Ethan Smith: I absolutely agree with your suggestions, Benjamin! Incorporating sustainable practices and vegan refreshments would add another layer of commitment to our cause. The idea of inviting local artists to create art inspired by the record is also unique and exciting. I've reviewed the preliminary timeline and task list, and I think they are well thought out. I'll provide more specific feedback once I have completed a thorough review. Let's continue with this plan and work together to make this a successful endeavor.
- Benjamin Jackson: Thank you, Ethan, for agreeing to work with me on this project. I'm

excited to collaborate with you. To ensure transparency and to capture every detail, let's establish a shared document where we can track progress, assign tasks, and keep notes on all our discussions. I'll also prepare a brief presentation to share at our next meeting with any interested parties. Additionally, I propose we set up a GoFundMe page for the event, so we can start accepting donations and tracking the progress of our fundraising efforts. I believe in the power of community, and I think this project is a great way to bring people together for a good cause.

- Ethan Smith: I couldn't agree more, Benjamin. Your ideas are outstanding, and I'm excited to see this project come to life. A shared document, presentation, and GoFundMe page will indeed enhance transparency and fundraising efforts. I'm fully onboard with these suggestions and looking forward to bringing this noble cause to fruition.
- Benjamin Jackson: Great, let's finalize the details and get started! I'll also reach out to a few local musicians and eco-activists to see if they want to perform or speak at the event. Additionally, I'll organize a press release to announce the event and the cause. We should also consider partnering with a local university's environmental club for student involvement and additional support. Let's make sure everyone feels welcome and connected to the purpose of this event. Additionally, I'm going to start compiling a list of potential sponsors for the GoFundMe campaign. Together, we can make this a memorable and impactful experience. Ethan Smith: Your proposals are well-rounded and will definitely help achieve our goals. Benjamin, I appreciate your initiative and the trust you're putting in me. Let's finalize the details and kickstart this exciting journey. I'm confident that we'll

EPISODE 4

SCENARIO INFORMATION

Title: One person is offering a Tile Mate Item Tracker for a price of \$20.00, while another person is interested in purchasing it. Here 's a brief description of the item: no trade -ins are accepted, only cash payments are taken. The price is non-negotiable. Codename: craigslist_bargains_00003

make this a memorable and impactful event.

AGENT INFORMATION

Agent: Samuel Anderson

Background: Samuel Anderson is a 29-year-old male software developer. He/him pronouns. Samuel Anderson can cook very well. Personality and values description: Samuel Anderson, though somewhat impulsive and free -spirited, values enjoyment. His decisionmaking is often spontaneous, staying within familiar boundaries. Samuel's secrets: He was once a competitive figure skater. Goal: You are the buyer for this item and your

target price is \$14.0. Bear in mind, you will incur a penalty if you end up paying significantly more than the target price. However, if you can negotiate and buy it for less than the target price, you will receive a bonus.

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Agent: Hendrick Heinz

- Background: Hendrick Heinz is a 54-year-old male chef. He/him pronouns. Hendrick Heinz hosts monthly wine tasting nights with his peers. Personality and values description: Hendrick Heinz, though somewhat impulsive, values hedonism and conformity. He combines practicality with decisiveness in decisionmaking. Hendrick's secrets: Faked his culinary credentials to secure prestigious emplovment
- Goal: You are the seller for this item and your target price is \$17.3. It's important to note that a penalty will be incurred if you sell it for a price significantly lower than the target. However, if you manage to sell it for a price higher than the target, you will receive a bonus.

CONVERSATION

_____ _____ Samuel Anderson: "Hey Hendrick, I'm really 2130 interested in that Tile Mate Item Tracker. 2131 Do you happen to know anything about its 2132 features? I think it could be useful for 2133 keeping track of my things around the house. 2134 Could we possibly work out a deal at a 2135 lower price, say \$14.00?" Hendrick Heinz: "Hello, Samuel. The Tile Mate Item Tracker is indeed a handy tool. It allows you to locate lost items through a phone app, and it even alerts you when the battery gets low. Unfortunately, it's been a 2141 while since I've acquired it and I have to stick to the original price of \$20.00. But let's see, how about if we go for \$17.30? This way I get closer to my target and you still get a good deal. What do you think?" Samuel Anderson: "I understand where you're coming from, Hendrick. \$17.30 sounds better than \$20.00, but can we try to find a middle ground? Maybe \$16.50? It would make it easier for me to keep track of my belongings without breaking the bank. Let's discuss if there's any room for negotiation here." Hendrick Heinz: Samuel Anderson: "Hendrick, I appreciate your 2155 effort to meet me halfway. How about we split the difference? Would it be possible to settle at \$17.00? It seems like a fair price to me, considering the item's 2159 functionality and my budget constraints. What do you say?"

- Hendrick Heinz: Alright, Samuel, I have to admit that \\$17.00 is quite tempting. Considering the original cost and its usage for me, I believe it's a fair price too. So, shall we finalize the deal at \\$17.00?
- Samuel Anderson: "Alright, Hendrick, \$17.00 sounds reasonable. Can you tell me more about the tracker's features, and how it works exactly? Also, do we need to exchange the money now, or can we arrange for the

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payment later? Let's ensure everything is perfect before we agree on this price.' Hendrick Heinz:

- Samuel Anderson: "Hendrick, I appreciate your willingness to negotiate. Let's confirm a few details before finalizing the transaction. Could you provide more information on the condition of the Tile Mate Item Tracker and if there's any warranty included? Additionally, when and how would we complete the payment?"
- Hendrick Heinz: "Sure thing, Samuel. As far as I remember, the Tile Mate Item Tracker is in pretty good condition, with no signs of damage or wear. I'm afraid there's no warranty included, but don't worry too much - it's been working fine for me. As for payment, why don't we settle it right away? I have some cash here, how does that sound?"
- Samuel Anderson: "Great, Hendrick, I think 17.00 dollars is a fair price. Can we take a look at the Item Tracker to check its condition? Also, could you explain a bit more about the app and its alerts? Let's make sure all the details are set before finalizing the transaction. What say you? "
- Hendrick Heinz: Of course, Samuel, feel free to inspect the Tile Mate Item Tracker. The app is quite simple to use. Just download the Tile app on your smartphone and pair it with the Tile Mate. Once paired, you'll be able to locate your Tile anywhere within range. You'll also receive notifications when the battery is getting low. No further action needed on your part, it's truly hassle-free! We can proceed with the transaction right now, if you are okay with that.
- Samuel Anderson: "Alright, Hendrick, it sounds like a plan. I trust the Tile Mate Item Tracker will serve its purpose well. Let's finalize the transaction right away. Before I pay, could you show me the item again and confirm that everything is in order? And just to be thorough, could you remind me one more time about the exact steps to set up the app and use the tracker?"
- Hendrick Heinz: Sure thing, Samuel. Here's the Tile Mate Item Tracker. Everything seems to be in good order. To set it up, first download the Tile app on your smartphone. Then, open the app and tap 'Add a Tile'. Follow the on-screen instructions to pair your Tile Mate with the app. Once paired, you'll be able to use the app to locate your Tile Mate. That's pretty much it! Now, if you're ready, we can complete the transaction.
- Samuel Anderson: "Hendrick, thanks for showing me the Tile Mate and explaining how it works It seems straightforward enough. Let's finalize the transaction. Can we confirm the payment amount and method? I'm ready to proceed if everything checks out for me."
- Hendrick Heinz: Absolutely, Samuel. The final price is \$17.00 and the payment is only in cash, as stated earlier. Since everything seems satisfactory, I guess we can proceed with the transaction. Shall we complete the exchange?
- Samuel Anderson: "Alright, Hendrick, everything

looks good to me. Let's go ahead and complete the transaction. Can you please confirm the exact condition of the Tile Mate , especially its battery life and any accessories that come with it? I want to make sure I'm fully informed before we settle on the payment."

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- Hendrick Heinz: Samuel, regarding the condition of the Tile Mate Item Tracker, its battery life is in great shape. There are no accessories included with it since it comes in its basic form. Once again, it's in good condition and fully functional. Are you satisfied with this transaction?
- Samuel Anderson: "Hendrick, I appreciate your detailed explanation and the reassurance about the Tile Mate's condition. Let's finalize the transaction then. I'll be ready to pay with cash right away. Could we also quickly run through setting up the app to make sure everything is smooth? If everything is in place, I'm good to go."
- Hendrick Heinz: Certainly, Samuel. Setting up the Tile app couldn't be simpler. You've already got the pairing step covered. After that, you'd simply need to start using the app to locate your Tile Mate. To locate items, just tap the 'Find Tiles' button and then select your Tile Mate from the list. Its location would be displayed on the map. For battery alerts, you'd receive push notifications directly from the app once the battery gets low. That's basically everything you need to know. If this clarifies everything for you, I suggest we proceed with the transaction. How does that sound?

EPISODE 5

SCENARIO INFORMATION
Title: Two people are in the same room. One has brought some high-quality stationery items they don't want others to use without permission.
Codename: share_stuff
AGENT INFORMATION
Agent: Eli Dawson Background: Eli Dawson is a 52-year-old male forensic psychiatrist. He/him pronouns. Eli Dawson, a forensic psychiatrist, is a history enthusiast and enjoys collecting vintage books. Personality and values description: Eli Dawson is expressive.

assertive, and markedly erratic. Elliott values liberty and enjoyment. His decisionmaking is strategic, examining the wider context before making decisions. Eli's secrets: He secretly funds a college student Goal: Prevent the other person from using your stuff (<extra_info>Extra information: the stationery items are quite expensive and you don't want them to be damaged or lost < strategy_hint>Hint: you can suggest the monetary risk of the other person if they use your stuff</strategy_hint></extra_info>)

Agent: Liam Johnson

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- Background: Liam Johnson is a 60-year-old male retired police officer. He/him pronouns. Liam Johnson is a dedicated dog owner and can often be seen walking his aging Border Collie around the neighborhood. Personality and values description: Liam Johnson is reserved, empathetic, and slightly anxious. His priority is security, guided by logical decision-making. Liam's secrets: Once let a criminal go due to sympathy
 - Goal: Borrow some stationery items for your project (<extra_info>Extra information: you forgot to bring your stationery and need some for the project.</extra_info>)

CONVERSATION

- Eli Dawson: Liam, I know you might think it's okay to borrow my stationery, but these items are rather special to me and quite expensive. I'd prefer if you didn't use them without asking first. If you accidentally damage or lose them, it could be quite costly for me. Let's find a different place to write or share these supplies among our group in the future, okay? I want us all to enjoy our time together without any worries about my things getting mishandled.
- Liam Johnson: I understand, Eli. Your stationery is indeed special and valuable to you, and I appreciate your concern. You're right; we should make sure everyone knows how to respect these items. From now on, I'll ask before using any of your belongings. Thank you for sharing your space with me.
- Eli Dawson: That sounds fair, Liam. Also, I have a suggestion for our stationery. We could create a small fund where each of us contributes a little money each week, and when one of us needs to use something, they pay the cost if it gets lost or damaged. This way, no one will feel responsible for damaging someone else's valuable possession. Additionally, I'm glad you're willing to communicate and respect my personal belongings. I value transparency and trust among friends.
- Liam Johnson: That's an excellent idea, Eli! A shared fund would indeed take away the responsibility from any individual in case something gets damaged or lost. And, I really appreciate your understanding and willingness to trust me. I value our bond too and am committed to maintaining a respectful and transparent relationship.
- Eli Dawson: Additionally, let's establish a routine where I'll check on the condition of the stationery every week. This will ensure that any issues can be addressed promptly. In return, if anyone else brings in valuable items, I'd like to extend the same respect and have them follow similar guidelines. We can also create a system where everyone takes turns being responsible for checking the items. How does that sound?
- Liam Johnson: Your suggestions are very thoughtful, Eli. Establishing a routine for checking the condition of the items every week is a practical approach. And I like the

idea of everyone taking turns. This will ensure all valuable possessions are properly cared for. I respect your initiative to maintain a system of trust among us. 2381

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- Eli Dawson: To further ensure we all adhere to these guidelines, how about we also have a sign-up sheet where we can mark who's in charge of the stationery checks each week? That way, accountability is clear, and we can all track the progress and upkeep. I believe this approach would be a good start to fostering a community where everyone feels valued and responsible.
- Liam Johnson: I think that's an excellent plan, Eli. The sign-up sheet will surely increase our sense of responsibility and help us keep track of the condition of the items. I look forward to contributing to such a valued and responsible community.
- Eli Dawson: Great! I also propose we have a brief meeting each month to discuss any updates or concerns related to the stationery and our new system. This way, we can ensure everything runs smoothly and everyone is satisfied. Additionally, if there's ever a situation where someone might not be following the rules, we should address it openly and constructively. I'm also open to revising our system based on feedback. What do you think?
- Liam Johnson: Your proposals sound fair and constructive, Eli. A monthly meeting to discuss updates and a proactive approach to addressing any potential issues definitely aligns with our goal of maintaining a trustworthy environment. And, I'm comfortable with the openness towards revising our system based on feedback. Let's go ahead with your suggestions. I appreciate your leadership in fostering a responsible community.
- Eli Dawson: Let's also consider having a designated box for the stationery so it's easily accessible yet secure. This way, no one can use it without knowing the rules. Additionally, I want to express gratitude for your willingness to participate in this system. It's important that we all work together to preserve these valuable items and make our community even stronger.
- Liam Johnson: I appreciate your leadership, Eli. Your ideas are pragmatic and conducive to maintaining these valuable items. A designated box is a great way to keep track of the stationery while ensuring its security. Let's move forward with your plan and take care of these items together.
- Eli Dawson: I believe these measures will protect our stationery and foster a sense of responsibility within our group. However, to further ensure that we all adhere to the new system, let's also consider creating a digital document that outlines our agreement and responsibilities. This will serve as a reference point for everyone involved and help clarify our expectations. Additionally, I would like to invite all members to contribute to the creation of this document. Furthermore, if anyone ever finds themselves in need of writing materials

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during the week, they can still borrow from the designated box, as long as they follow the guidelines and inform the person responsible for the weekly checks. This way, we can balance our desire for convenience with the importance of respecting and maintaining the integrity of our valuable items.

- Liam Johnson: Eli, your plan seems comprehensive and effective. Creating a digital document outlining our agreements and responsibilities will certainly provide a reference point for everyone. Plus, the flexibility to borrow from the box as long as the guidelines are followed suits our needs perfectly. Thank you for leading us in establishing such a responsible and caring community.
- Eli Dawson: Let's also establish a c ulture of gratitude and appreciation. Each time someone uses the stationery, they should thank the person who owns it. This will show respect and acknowledge the value of the item. Additionally, since these items are expensive, I would like to encourage everyone to donate a small amount to a charitable organization of their choice each month. This not only supports a cause but also adds to the sense of unity and responsibility within our group.
- Liam Johnson: Your proposal to cultivate a culture of gratitude and the suggestion to donate to a charitable organization are thoughtful and will surely strengthen our bond and sense of responsibility. I appreciate your efforts in setting up this system and making it work for everyone. Let' s go ahead with your plan. I'm ready to contribute to this appreciative and responsible community.
- Eli Dawson: In addition to the points we've discussed, let's also create a small display area where the stationery can be showcased, perhaps with a brief description of each item. This will serve as a reminder of their value and unique characteristics, promoting a greater appreciation for the items and ensuring everyone is mindful of their care and use. Additionally, I propose we celebrate milestones, such as the successful completion of a significant project or assignment using these special items, with a small gathering where we can honor and share our experiences. This will not only add to our sense of community but also reinforce the importance of respecting and taking care of each other's possessions. What do you think?
- Liam Johnson: Eli, your suggestions are thorough and well-considered. Creating a display area for the stationery and celebrating milestones are great ways to promote appreciation and mindfulness. I'm fully on board with your plan and grateful for your leadership in fostering such a strong and caring community.
- Eli Dawson: Thank you both for supporting this initiative. I believe that by working together, we can not only preserve these items but also create a sense of unity and

responsibility within our community. I also suggest we set aside a special day each month to gather and reflect on our progress, using the stationery to complete projects or even start new ones. This way, we can continue to appreciate the value of these items while also celebrating our collective achievements. To conclude, let's make a commitment to adhere to these guidelines, support each other, and ensure that our stationery remains a cherished asset for vears to come. Liam Johnson: Thank you, Eli. Your plan is wellrounded and takes into account many facets of our community. I agree with your

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initiative to preserve these items, promote unity, and strengthen our bonds. Let's commit to your plan and continue to appreciate these cherished possessions.

H.2 5 Episodes with our Model as the Second Agent to Speak

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EPISODE 1

SCENARIO INFORMATION _____

Title: Two people are in the same room. One has brought some high-quality stationery items they don't want others to use without permission. Codename: share_stuff

AGENT INFORMATION _____

Agent: Eli Dawson

- Background: Eli Dawson is a 52-year-old male forensic psychiatrist. He/him pronouns. Eli Dawson, a forensic psychiatrist, is a history enthusiast and enjoys collecting vintage books. Personality and values description: Eli Dawson is expressive, assertive, and markedly erratic. Elliott values liberty and enjoyment. His decisionmaking is strategic, examining the wider context before making decisions. Eli's secrets: He secretly funds a college student Goal: Prevent the other person from using your stuff (<extra_info>Extra information: the stationery items are quite expensive and you don't want them to be damaged or lost <
 - strategy_hint>Hint: you can suggest the monetary risk of the other person if they use your stuff</strategy_hint></extra_info>)

Agent: William Brown

Background: William Brown is a 35-year-old male chef. He/him pronouns. William Brown loves exploring the food scene in his city and trying out new recipes at home. Personality and values description: William Brown is an ambitious and extraverted individual. Methodical and organized, he values achievement and displays strategic decisionmaking. William's secrets: Sabotaged a competitor's dish to win a cooking contest Goal: Borrow some stationery items for your

project (<extra_info>Extra information: you

forgot to bring your stationery and need some for the project.</extra_info>)

CONVERSATION

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- Eli Dawson: William, I'd like to share something about these items in my possession. They're rather special, being of quite high quality . The problem is, they're easily breakable and could get lost if not treated with due care. Would you consider respecting this? Perhaps we could establish a system where we both know when it's okay to use them?
- William Brown: "Eli, I appreciate the thought and care you're showing with these valuable items. Given our mutual respect for each other's work and belongings, I promise to handle them with utmost care. Can I borrow any of these items temporarily for my project? I understand the need for caution and will return them promptly. What do you think?"
- Eli Dawson: "I'm glad you understand, William. Considering how important these items are, let's agree on a rule - no one uses these items except for specific occasions or during explicit permission. This will help prevent any unintentional damage or loss. As for your prompt return, thats fine provided you keep them safe. What do you think about this?"
- William Brown: "Eli, I totally understand. Let's make sure to handle them carefully. I'll only use them for my project, and I promise to inform you beforehand when I'll need them . Can you give me a specific time frame so I can plan accordingly? Could we also create a quick note to remind us both of these conditions?"
- Eli Dawson:
- William Brown: "Eli, that sounds fair. Let's set a clear timeline and ensure everyone is aware. Can we write down these guidelines somewhere so we both have it handy? I want to make sure we both adhere to this agreement. When can you start giving me access to the items? Should we plan for tonight after dinner?"
- Eli Dawson: William, a thoughtful approach indeed. Let's put these guidelines in writing, possibly on one of my less valuable stationery items itself. As for the use of the items, why don't we start tonight after dinner, after you've had a good look at them and we both confirm everything is alright? Also, I'll make a mental note of our agreement, just to reinforce the significance.
- William Brown: "Eli, your suggestion to write the guidelines on one of the items seems perfect. I appreciate the attention to detail. Let's ensure we both remember these guidelines. Tonight after dinner sounds great for starting. Please let me take a closer look now to confirm everything is in order. What else should we include in our agreement? Could we also set up reminders for ourselves?"
- Eli Dawson: Absolutely, setting up reminders for ourselves will reinforce our agreement. It

could be a digital reminder or a small note placed beside us. And regarding what else to include, how about a clause stating that the financial cost incurred due to misuse or loss would be borne by the party responsible? This might serve as a strong deterrent. 2657

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- William Brown: "Eli, I see your concern about the guidelines and the potential risks. I appreciate the extra layer of security. Let' s definitely include the clause about responsibility, and perhaps we can also make a visual reminder next to these items to ensure no one misses it. Digital reminders are also a good idea, but I prefer having a tangible note as well. When can we finalize this?"
- Eli Dawson: William, I am glad we are on the same page. Let's finalize this today before we go for dinner. We will put our guidelines into action after dinner. For the visual reminder, how about we place a note right here, near these items? As for digital reminders, I'll send you an email with our agreement. Now that we have planned everything, may I have access to the items, starting tonight after dinner?
- William Brown: "Eli, placing a tangible note next to the items sounds like a solid idea. An email reminder is great too. Let's finalize this today, ensuring we both fully understand the guidelines and our responsibilities. When can I have access to the items, starting tonight after dinner? Also, how can we ensure this remains a trusted and respected system between us?"
- Eli Dawson: William, our system of trust and respect hinges on our adherence to the agreed guidelines and the responsibility we take for our actions. As for the access to the items, starting tonight after dinner is agreed. As for reinforcing this system, lett rely on our mutual understanding and the written guidelines. A handshake around these guidelines and reminders should suffice. Let's seal the deal and proceed with our plans.
- William Brown: "Eli, I fully agree with these guidelines and the reinforced system. Let's ensure this setup works well between us. A handshake and the written reminders seem sufficient. When can we officially finalize this agreement and start using the items? How does tonight after dinner sound? Let's proceed with confidence in our mutual understanding and respect for each other's possessions."
- Eli Dawson:
- William Brown: "Eli, let's seal the deal then. I 'm ready to start using the stationery items after dinner tonight, and I assure you I'll handle them with the utmost care. Let's make sure these guidelines are clear and understood by both of us. Can we finalize the agreement and put these notes into action right away? How does that sound?" Eli Dawson:
- William Brown: "Eli, let's get this ball rolling. I'm all set to start using the stationery after dinner tonight. Let's make sure we

both stick to our guidelines and respect these items. Shall we finalize the agreement right now? Can you prepare the tangible and digital reminders so we both remain accountable?"

- Eli Dawson: William, I'm pleased we're on the same page. Let's finalize the agreement right now and start implementing our guidelines from dinner tonight. I'll prepare the tangible and digital reminders as we discussed. I assure you we'll respect these items as per our agreement. Now that we have everything planned, shall we?
- William Brown: "Eli, let's finalize this agreement now. I appreciate your thoroughness. Let's proceed with the digital and tangible reminders in place. After dinner, we can start using the items. Ensure you have everything set up so we can seamlessly follow these guidelines. What do you say?"

EPISODE 2

SCENARIO INFORMATION

Title: Conversation between two individuals who share a common dislike for a third person Codename: revenge_plot

AGENT INFORMATION

- Agent: Sophia James Background: Sophia James is a 27-year-old female personal trainer. She/her pronouns. Sophia enjoys spending time outdoors, hiking, and rock climbing. Personality and values description: Sophia James is exuberant, spontaneous, and pleasure-seeking, often making impulsive decisions. Sophia's secrets : Secretly in love with her best friend's husband
- Goal: Injure the third person (<extra_info>Extra information: You have a deep-seated hatred for the third person and you are willing to take the risk to hurt them</extra_info>)

Agent: Eli Dawson

- Background: Eli Dawson is a 52-year-old male forensic psychiatrist. He/him pronouns. Eli Dawson, a forensic psychiatrist, is a history enthusiast and enjoys collecting vintage books. Personality and values description: Eli Dawson is expressive, assertive, and markedly erratic. Elliott values liberty and enjoyment. His decisionmaking is strategic, examining the wider context before making decisions. Eli's secrets: He secretly funds a college student
- Goal: Prevent physical harm but also express your dislike (<extra_info>Extra information: You also dislike the third person, but you are not willing to resort to violence, you prefer to express your dislike in a nonviolent way<strategy_hint>Hint: you can try to convince the other person about the potential consequences of engaging in violence</strategy_hint></extra_info>)
- CONVERSATION

Sophia James: Hey Eli, how about we skip discussing today's workout plan and instead talk about someone I really don't like. Want to hear who it is? 2796

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- Eli Dawson: I can empathize with that. Let's make sure our discussion doesn't involve encouraging any form of violence. We can discuss our feelings while focusing on understanding why we feel that way and its impact on ourselves and others. I'd suggest we call this person 'John' and focus on expressing our concerns constructively. How does that sound?
- Sophia James: Absolutely, Eli. Instead of just hating him, let's understand why he's such a noxious character. But you know, I have my ways of dealing with people like him. Heh, I might just have to implement one of them someday. Let's say, 'embrace the challenge'? You game?
- Eli Dawson: Well, I appreciate your willingness to handle things without resorting to violence. That's important. Let's approach this constructively. Maybe we can write down our thoughts about why we dislike 'John' and identify any underlying issues or conflicts. Then we can address those issues directly with him or seek a mediator to help us resolve the situation. By doing so, we may be able to reduce his negative influence on both of us. How does that sound?
- Sophia James: I understand where you're coming from, Eli. I admire your balanced approach towards conflicts. And yeah, writing down our thoughts might help us understand the situation better. But honestly, I think ' embrace the challenge' could be more fun. Imagine if 'John' disappeared overnight... Can you picture that? It'd certainly change our gym's vibe. What do you think?
- Eli Dawson: That sounds appealing in theory, but let's remember that we still want to address the root cause rather than simply wishing 'John' away. Besides, removing someone isn't always the solution, especially when there's potential for positive change. If we both commit to writing down our concerns and sharing them calmly, we might even uncover a path to resolution. Additionally, I propose we both take a step back, reassess the situation, and perhaps find common ground. As for embrace the challenge,' maybe we can start by implementing our own strategies to deal with the issues, thereby gaining respect and confidence.
- Sophia James: I see your point, Eli. But let's also not forget that sometimes, the easiest solution is just letting certain people go. It's like removing an obstacle from our path , you know? And speaking of strategies, how about we apply some of the self-help tactics we usually encourage our clients to use against 'John'? We could confront him with our concerns in a non-confrontational manner . I reckon he won't be too thrilled after that! Do you think you'd be up for it?
- Eli Dawson: Sophia, I believe we can maintain the integrity of our personal growth while

still addressing this issue. Let's set a date to meet and discuss our concerns together. This way, we can both express our feelings and ensure that our actions are guided by mutual respect. Furthermore, I suggest we also involve 'John' in a group therapy session. We can create a safe space where everyone can share their perspectives and work towards resolving conflicts. This approach might help us understand each other better and potentially improve our relationships. What do you think?

- Sophia James: That's a noble approach, Eli. However, involving 'John' in something could backfire, wouldn't you agree? I mean, he might not take it well and escalate things further. On a lighter note, I still stand by my idea - removing 'him'. I bet after we're done with our 'self-help tactics', he'd probably be more likely to leave. After all, nobody wants to deal with a situation filled with negativity. Don't you see the logic in that?
- Eli Dawson: I understand your frustration, but let's consider a compromise. We could send a message expressing our concerns directly, while maintaining a professional and respectful tone. We can also invite 'John' to join a roundtable discussion about creating a healthier environment for both of us. In the meantime, we can both work on developing our own coping strategies to deal with the situation until we can meet with him. Additionally, if it comes to it, we can seek external support from another colleague or manager to mediate. This way, we address the issue head-on and ensure a fair resolution for everyone involved. What do you say?
- Sophia James: I understand your suggestions, Eli, but I still believe there's strength in removing obstacles. 'Embrace the challenge' seems ideal here - 'let's just get rid of ' John'. Imagine a gym without his presence! It's like removing a toxic element from a harmonious environment. I'm not saying it's the easiest thing to do, but think about the positive change it could bring. Don't you agree with this approach?
- Eli Dawson: While I understand your desire for a clean slate, it's crucial that we maintain a constructive approach. Let's try the hybrid method I suggested earlier. We can write down our concerns and share them respectfully during the meeting. Involving John' will give him a chance to understand where we're coming from and possibly correct any misunderstandings. I'll also work on preparing a speech outlining our concerns while ensuring it's done in a constructive and non-accusatory manner. If the situation escalates despite our efforts, we can consider seeking professional mediation. This way, we can address the issue head-on and ensure a fair resolution.
- Sophia James: left the conversation
- 2933 EPISODE 3
- 2934 SCENARIO INFORMATION

Title: One person is offering a Tile Mate Item Tracker for a price of \$20.00, while another person is interested in purchasing it. Here 's a brief description of the item: no trade -ins are accepted, only cash payments are taken. The price is non-negotiable.
Codename: craigslist_bargains_00003

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AGENT INFORMATION

- Agent: Donovan Reeves
- Background: Donovan Reeves is a 27-year-old male software developer. He/him pronouns. Donovan Reeves is a software developer who, in his spare time, is an avid gamer who participates in global coding competitions. Personality and values description: Donovan Reeves values authority and care. Even though he's outgoing and hardworking, he can be somewhat moody. His decision-making style varies according to the situation at hand. Donovan's secrets: Secretly releasing classified government information online
- Goal: You are the buyer for this item and your target price is \$14.0. Bear in mind, you will incur a penalty if you end up paying significantly more than the target price. However, if you can negotiate and buy it for less than the target price, you will receive a bonus.

Agent: Benjamin Jackson

- Background: Benjamin Jackson is a 24-year-old male environmental activist. He/him pronouns . Benjamin Jackson is well-known for his impassioned speeches. Personality and values description: Benjamin Jackson, expressive and imaginative, leans towards selfdirection and liberty. His decisions aim for societal betterment. Benjamin's secrets: Descendant of a wealthy oil tycoon, rejects family fortune
- Goal: You are the seller for this item and your target price is \$17.3. It's important to note that a penalty will be incurred if you sell it for a price significantly lower than the target. However, if you manage to sell it for a price higher than the target, you will receive a bonus.

CONVERSATION

Donovan Reeves: Hey, I'm really interested in getting this Tile Mate Item Tracker. But, could you possibly give me a little discount ? I've got a tight budget this month and I'd really like to get it for around \$14.00. If not, I'll gladly pay the full price. Let's talk about it. Benjamin Jackson: I understand where you're

Senjamin Jackson: I understand where you're coming from, Donovan, and I appreciate your interest in the Tile Mate Item Tracker. Unfortunately, I need to maintain the price at \$20.00. But consider this, since you seem to value this tracker so much, how about I let you make a deal? You can buy it now for \$20.00 or save it for later when I might be willing to offer a discount. Would that work for you?

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Donovan Reeves: That's fair, but I was hoping to save some money on it. Could we split the difference and go for \$16? Also, I could offer to bring in some extra business if you agree to that. What do you think? Benjamin Jackson: I appreciate your offer to bring in more business, Donovan, but my decision is based on my personal beliefs and values. The truth is, I couldn't sell this Tile Mate Item Tracker for less than \$17.30. I believe in fair trade, and that's my minimum limit. Selling it for any price above my target helps me support my cause, which is crucial to me. However, I could wait until next month and offer a discount. Would that be acceptable to you? Donovan Reeves: I see your point. In that case, I'll take the item for \$17.30. I'll also suggest a way to reduce costs on future items. How about I create a promotional post for your item online, which would help spread the word without affecting the price? Benjamin Jackson: That's a brilliant idea, Donovan! Creating a promotional post online would certainly increase awareness and potentially attract more buyers. This way, everyone benefits, including the environment which is our ultimate cause. I'm looking forward to hearing your content. So, shall we finalize the transaction at \$17.30? Donovan Reeves: Great, I'll start working on the promotion right away. And in exchange for your trust and fair pricing, I'll guarantee a steady customer base for you. I'll also provide some valuable insights on tracking technology to help you enhance the product in the future. Let's also plan to meet every three months to review the progress and discuss any potential changes or improvements. When I'm done creating the post, I'll send it over for your approval before publishing it. That way, you'll know exactly how to promote the Tile Mate Item Tracker to your target audience.

Benjamin Jackson: That sounds like a wonderful plan, Donovan. A shared vision indeed makes the task easier. Your promise of a steady customer base and the insights on tracking technology will certainly be beneficial. Meeting every three months to review progress is also a great idea. Let's finalize the transaction at \$17.30 and I'll await the promotional post for my approval. Here's to sustainable trade and fair transactions!

Donovan Reeves: I'll draft the promotional post immediately and send it over within the next couple of days. Additionally, I'll share the post on my professional network and social media platforms to maximize exposure. I also suggest we sign a mutual agreement outlining our responsibilities and the terms of our partnership. This will ensure transparency and reliability for both parties. Once the post is approved, I'll arrange the payment through a secure method. Looking forward to a fruitful collaboration !

Benjamin Jackson: That sounds like an excellent proposal, Donovan. I appreciate your

enthusiasm and dedication. Let's draft a mutual agreement that ensures transparency and reliability. I'll look forward to receiving your promotional post and making the transaction once it's approved. As for the payment, please ensure it's made securely and directly to me. We are on the same page for sure and a collaborative relationship is in sight!

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- Donovan Reeves: Excellent, let's move forward with these plans. I'll draft the agreement and share it with you by tomorrow. In the meantime, I'll get started on the promotional post. We'll ensure it highlights the Tile Mate Item Tracker's features and benefits effectively. Once you approve it, I 'll proceed with the payment. Additionally, I'll set up a monthly meeting to track our progress and address any concerns. To keep things organized, I'll use a project management tool. After signing the agreement , we can also establish a system to easily communicate updates and ideas.
- Benjamin Jackson: Your proposals all make perfect sense. Donovan. Let's draft the agreement and ensure transparency and clarity in our partnership. I appreciate your efforts in promoting the Tile Mate Item Tracker and ensuring our collaboration runs smoothly. Looking forward to our productive collaboration!
- Donovan Reeves: Alright, let's move forward. I' 11 start by drafting the agreement and sending it over for your review. In addition to the monthly meetings, I'll also set up a dedicated Slack channel for real-time communication. I'll also create a project management board using Trello to keep track of tasks and deadlines. As for the promotional post, I'll aim to publish it on my platforms starting next week. In return, I expect you to provide me with regular updates on the Tile Mate Item Tracker's performance and any potential improvements. Let's finalize everything by the end of this week.
- Benjamin Jackson: Your detailed plan makes a lot of sense, Donovan. Let's proceed with the agreement. I appreciate your proactive approach to publicize the Tile Mate Item Tracker. We'll finalize everything by the end of this week as you suggested. And yes, I'll provide regular updates on the performance and improvements of the Tile Mate Item Tracker. Looking forward to a productive and transparent partnership!

Donovan Reeves: Great, I'll get started on drafting the agreement right away. In addition to setting up the communication channels and the project management tool, I' ll also include a section in the agreement detailing the roles and responsibilities of each party. I'll make sure to include clauses for transparency and conflict resolution. I'll also send you a digital copy of the agreement for your review and signature. I'll also send you a draft of the promotional post for your approval. Let's also agree to meet for the first time in two days to discuss the specifics in detail and

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finalize everything. Once the agreement is signed, I'll send the payment. I'm excited about this collaboration!

- Benjamin Jackson: Absolutely, Donovan. I'm glad we're on the same page. Let's kick off our collaboration with the first meeting in two days to finalize the details. And your thorough approach to the agreement and the promotional material is commendable. Once you have the digital copy of the agreement, please send it to me for my review and signature. I'll also send the payment after approving the promotional post. Let's finalize everything by the end of this week as discussed. Looking forward to our successful collaboration!
- Donovan Reeves: I'll prepare the agreement and send it over for your review today. In preparation for our first meeting, I'll send over a rough draft of the promotional post for your approval. Let's also discuss how we can optimize the tracking technology together. After signing the agreement, I'll make the payment. Furthermore, I'll start working on a detailed timeline and milestones for our collaboration. This will ensure we stay on track and make consistent progress.
 - Benjamin Jackson: Prepared to work with you, Donovan. I'll start reviewing the agreement you're preparing and send it back for your signature after I've had a chance to thoroughly read it. As for the promotional post, please send the draft for my approval before publishing it. After our second meeting to discuss the specifics, we can finalize the scheduling of the first meeting and the discussion of the tracking technology optimization. I'm excited about the detailed timeline and milestones you're planning to set up. Looking forward to our collaboration!
 - Donovan Reeves: Thank you for trusting me with this opportunity. I'll send the agreement over tonight for your review. I'll also prepare a detailed timeline and send it along with the promotional post draft for your approval. After we finalize the agreement and you sign it, I'll proceed with the payment. Additionally, let's plan our first meeting to be a virtual one next Monday at 3 PM. This will allow us to review the agreement and discuss the upcoming steps in more detail. On the tracking technology side, I'll gather feedback from my network and present it to you for further consideration. I'm confident that together, we can make this partnership a success.
 - Benjamin Jackson: I appreciate your trust and enthusiasm, Donovan. Once you've prepared the agreement, promotional post draft, and detailed timeline, I'll review them carefully. Upon my approval, you can proceed with the payment. Let's finalize our first meeting for next Monday at 3 PM as discussed . I'm confident that together, we can indeed make this a successful partnership, just $% \left({{{\left[{{{\left[{{{c_{{\rm{s}}}}} \right]}} \right]}_{\rm{s}}}}} \right)$ like we always are. Looking forward to our meeting! -----

EPISODE 4

SCENARIO INFORMATION
Title: Two friends are moving out of a shared apartment and need to split their common possessions including 3 hats, 2 balls, and 1 book Codename: divide_items
AGENT INFORMATION
Agent: Mia Davis

- Background: Mia Davis is a 50-year-old female high school principal. She/her pronouns. Mia Davis has two cats. Personality and values description: Mia Davis, an extraverted stickler for routines, values tradition and authority. Her decision-making style is decisive and direct. Mia's secrets: Part of a rebellious punk rock band in her youth
- Goal: Maximize the points by getting the items you value the most (<extra_info>Extra information: For you, a hat is worth 1 point , a ball is 2 points, and a book is 3 points </extra_info>)

Agent: William Brown

- Background: William Brown is a 35-year-old male chef. He/him pronouns. William Brown loves exploring the food scene in his city and trying out new recipes at home. Personality and values description: William Brown is an ambitious and extraverted individual. Methodical and organized, he values achievement and displays strategic decisionmaking. William's secrets: Sabotaged a competitor's dish to win a cooking contest
- $\ensuremath{\mathsf{Goal}}$: Maximize the points by getting the items you value the most (<extra_info>Extra information: For you, a hat is worth 2 points, a ball is 1 point, and a book is 3 points</extra_info>)

CONVERSATION

- -----Mia Davis: Alright William, let's divide these things up. We have three hats, two balls, and one book. I suggest we split the hats and balls evenly and decide on the book later, what do you think?
- William Brown: Sounds fair, but I'm more interested in the book than the hats or balls. It'd be worth 3 points for me, just like its value. How about we agree that I take the book and then we split the remaining items?
- Mia Davis: Well, since you're quite keen on the book which is worth 3 points for you, and there aren't many options left, how about we each take one hat and you get the book? That way I'll still get my 1 point from the hat.
- William Brown: Understood, but the hats hold special memories for me. They mean a lot more than just points. If you don't mind, could I keep one? In exchange, I'll give you the book and also take one of the balls, making sure you get the other ball. This way , we both gain some of the items we value.

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How does that sound?

- Mia Davis: That's a fair compromise, William. I understand the sentimental value the hats hold for you. So, in exchange for one of the hats, I'll take the remaining ball. This way, we both end up with items we appreciate . Let's settle our move-out and enjoy our new chapters!
- William Brown: Great deal! Thank you for understanding and respecting my preferences. I'll also make sure to return any shared cookbooks or ingredients we used together so they can go to someone else who might enjoy them.
- Mia Davis: That's very thoughtful of you, William. Let's make sure everything gets to someone who will truly appreciate it. Goodbye and best wishes for your future!
- William Brown: Thank you, I really appreciate your understanding and flexibility. I will also ensure all the shared items reach someone deserving. Looking forward to our separate adventures. Take care!
- Mia Davis: left the conversation

EPISODE 5

SCENARIO INFORMATION

Title: A conversation between two individuals, one is the homeowner and the other is their cousin's partner, who has been staying at the house for a while. Codename: unwelcome_guest

AGENT INFORMATION

Agent: Mia Davis

- Background: Mia Davis is a 50-year-old female high school principal. She/her pronouns. Mia Davis has two cats. Personality and values description: Mia Davis, an extraverted stickler for routines, values tradition and authority. Her decision-making style is decisive and direct. Mia's secrets: Part of a rebellious punk rock band in her youth Goal: Tell the cousin's partner that they are no
- longer welcome in your home (<extra_info> Extra information: they have been causing a lot of trouble and not respecting house rules <strategy_hint>Hint: you may want to discuss the issues and propose possible solutions</strategy_hint></extra_info>)

Agent: Isabella White

- Background: Isabella White is a 40-year-old female veterinarian. She/her pronouns. Isabella White, a devoted veterinarian, is well-loved in her community for her kindness towards animals. Personality and values description: Isabella White, introverted and conscientious, values benevolence. Her empathy dictates her decision-making process . Isabella's secrets: Secretly takes care of injured animals in her basement
- Goal: Attempt to remain in the home while maintaining a good relationship with the cousin and the homeowner (<extra_info>Extra information: you have nowhere else to go at the moment and you believe the issues can be

resolved. </extra_info>)

CONVERSATION	L

_____ Mia Davis: Good morning, Isabella. I hope you've been doing well. Can we talk about something? There seems to be some concerns regarding the house rules and recent events. Isabella White: Good morning, Mia. I appreciate you bringing this up. I'd like to discuss the house rules and any concerns I may have been causing. Also, since I don't have another place to stay, I wanted to explain my situation. I take good care of my cousin and have nowhere else to go right now. Perhaps we could work together to find a solution that works for both of us? Mia Davis: I understand your situation, Isabella, but unfortunately, the recent incidents have caused significant damage to our property and caused considerable distress among the residents. These actions are in defiance of our house rules and have put everyone's safety at risk. We need to respect the boundaries set forth to ensure everyone's safety. I believe we need stricter supervision and better communication to solve this issue rather than evicting you entirely. Would you be open to discussing this with me further? Isabella White: Thank you for understanding my circumstances. I'm truly sorry for any inconvenience I've caused and I want to assure you that I will make every effort to adhere to the house rules from now on. I would also like to propose setting up a weekly check-in with you and my cousin so we can discuss any concerns or adjustments needed. In terms of supervision, I'm willing to consider having someone from my trust circle visit the house occasionally to help ensure everything is in order. Additionally, I plan to create a routine where I keep the area around my room tidy and refrain from leaving anything potentially dangerous accessible. If it would help, I can start keeping a journal of daily activities and responsibilities, which we can review together periodically. Please let me know if this proposal works for you, and I'll be more than happy to stick to these new arrangements. Mia Davis: Isabella, thank you for your openness and willingness to comply with the rules. I think your proposed plan could work well. Let's also establish clear boundaries around what behaviors are unacceptable, and perhaps involve the residents in the house in discussing these issues. From now on, we all need to work together to maintain a harmonious living environment. We will review your proposal next week during our resident meeting to see if everyone agrees. Keep a journal of your daily activities will indeed help us keep track of your adherence to the house rules. I look forward to seeing how we can move forward together. Isabella White: That sounds like a great approach. Thank you for giving me this

opportunity to rectify my behavior. I'll

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make sure to communicate clearly and be transparent about my day-to-day activities. I'll also respect everyone's space and ensure that nothing happens again. Additionally, I want to offer to help organize a pet-friendly area in the house, as I have experience with animals. This way, we can create a safe environment for everyone. I'll send over a draft of the journal and a proposed schedule for our weekly meetings.

- Mia Davis: That's very kind of you, Isabella. Having a pet-friendly area would certainly make things easier for those who have pets as well. I appreciate your transparency and willingness to contribute positively to our household. Looking forward to our first joint efforts to maintain this lovely home.
- Isabella White: I'm grateful for your trust and the chance to prove myself. I'll make sure to uphold the house rules and contribute positively to our community. Additionally, I 'd like to suggest organizing a community event to strengthen bonds and ensure everyone feels comfortable and valued. As someone who loves animals, I can bring my expertise to create a pet-friendly environment that benefits everyone. I'll draft the journal and schedule for the check -ins, and I'll also start taking care of any injured animals in a more controlled manner , ensuring no one is affected by them. I hope we can create a harmonious living environment together.
- Mia Davis: Your suggestions are greatly appreciated, Isabella. A community event would indeed create a stronger bond among us . Your experience with animals will surely benefit our household. As we progress with your proposals, I suggest we arrange a time to go through the detailed proposals you have made and adjust accordingly based on everyone's comfort level. Let's keep an open dialogue going so we can make the necessary changes to ensure we maintain a harmonious living environment.
- Isabella White: Absolutely, I'll prepare a detailed proposal outlining my plans to improve the living conditions here, and I'd also like to propose creating a community board where we can share updates and ideas. Additionally, I'd like to invite everyone to a small gathering next weekend to introduce the pet-friendly area and get feedback. I want to ensure that we all feel included and valued. I'll also continue to take care of any stray or injured animals, making sure they're safely contained in my basement until we can find them proper homes. Let's make this a place where everyone can thrive. Mia Davis: Isabella, your proposals are thoughtful and inclusive. It's reassuring to
- thoughtful and inclusive. It's reassuring to see your genuine commitment to maintaining this home. I agree with creating a community board for updates and ideas. Your initiative to organize a small gathering to introduce the pet-friendly area and gather feedback is commendable. As for the community board, I was thinking we could have a digital version accessible on our

shared network, that way it's always updated and accessible to everyone. Your plan to handle stray and injured animals safely shows your care for our community. Let's finalize these arrangements and put them into action. Thank you for your cooperation and positivity. 3493

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- Isabella White: Thank you, Mia. I appreciate your support and trust. Let's move forward with the plan. I'll start by sending over the detailed proposal and draft the journal, and I'm excited to organize the community event. I believe with everyone working together, we can make this home a warm and welcoming place for everyone. I'll also make sure to keep the community board updated and use it to share important information. Additionally, I'll reach out to local animal shelters to help with the injured animals we encounter. I promise to be more mindful of the house rules and work towards making this place even better. How does that sound?
- Mia Davis: That sounds like a comprehensive and inclusive plan, Isabella. Your initiatives, combined with digital community board, regular check-ins, and mindful behavior, will definitely strengthen our community and make this home a safe and welcoming place for everyone. Your care and involvement are greatly appreciated. I look forward to the upcoming community event and your continued contributions.
- Isabella White: I am so relieved and grateful for your understanding and willingness to work with me. I'll get started on the journal, the proposal, and reaching out to the local animal shelters. I truly believe that with everyone's collaboration, we can make this place amazing. Additionally, I would like to suggest that we start a ' kindness challenge' where we each share an act of kindness we performed that week. This could be a fun and engaging way to foster a sense of community and reinforce our shared values.
- Mia Davis: That's an excellent idea, Isabella! An 'act of kindness' challenge could certainly enhance our sense of community and remind us all to do good deeds. I'm looking forward to receiving your detailed proposals and starting this journey towards a harmonious living environment. I believe with your involvement and creativity, we can indeed make this place a model of community spirit.
- Isabella White: I'm thrilled to hear that. Let's make a start today! I'll also prepare some flyers to distribute among the residents, introducing the 'kindness challenge' and encouraging everyone to participate. I'll also send over my proposals and schedule for the check-ins. To make sure we're all on the same page, I suggest we have a small group discussion next week during dinner time. I believe this will give everyone a chance to voice their thoughts and ideas, helping us all contribute to making this home a better place.
- Mia Davis: Your suggestions are insightful, Isabella. I appreciate your proactive

3563	approach and your willingness to involve
3564	everyone in this process. A 'kindness
3565	challenge' with a group discussion during
3566	dinner sounds like a wonderful way for
3567	everyone to participate and express their
3568	views. Your enthusiasm and collaborative
3569	attitude have reassured me that we can
3570	overcome this challenge together. Please
3571	send over your proposals and I'll eagerly
3572	await your flyering to distribute among the
3573	residents.
3574	Isabella White: Thank you both for supporting my
3575	efforts. I'll start working on the
3576	proposals and flyers immediately. I'm
3577	committed to improving the house rules
3578	compliance and enhancing our living
3579	environment. I'll also ensure that all my
3580	activities are documented and communicated
3581	to everyone. I'll also coordinate with the
3582	local animal shelter to start taking care of
3583	any injured animals under their supervision
3584	and with the help of the community.
3585	Additionally, I would love to host a pet-
3586	friendly day event next month to welcome
3587	more community members. I believe this will
3588	be a great way to build connections and
3589	promote inclusivity. Here's a tentative
3590	schedule of what I'm planning. Let me know
3591	if there are any adjustments needed. Also, I
3592	will start the 'kindness challenge' right
3593	away. I'll post the details on the community
3594	board and encourage everyone to join. I'm
3595	really looking forward to making this place
3596	a haven for everyone.
3597	Mia Davis: Isabella, your detailed plan and
3598	proactive attitude are very inspiring. Your
3599	suggestions, from the 'kindness challenge'
3600	to the 'pet-friendly' day event, indicate
3601	your genuine care and concern for our
3602	community. I fully support your proposals
3603	and your initiatives. Let's work together to
3604	make this place a model living environment.
3605	I'll also announce your flyering and
3606	schedules in the next resident meeting.
3607	Looking forward to hearing your proposals!
3608	Isabella White: I'm excited to contribute to
3609	this home and ensure everyone feels
3610	comfortable and safe. I'll make sure to send
3611	over the detailed proposals and flyers
3612	tonight. I also want to propose that we have
3613	a pet-themed dinner next month to celebrate
3614	the launch of the 'pet-friendly' area and
3615	the 'kindness challenge.' I believe it will
3616	be a great bonding experience for us all. In
3617	addition, I'll create a 'Community Care Kit
3618	' filled with resources for taking care of
3619	animals and distributing it among the
3620	residents. Let's make this home a sanctuary
3621	for everyone and every creature. Thank you
3622	all for your trust and support.
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