**The 30 College of Technology Programming Contest**

Competition Division “Dance, Dance, Dance Around”

Questions and Answers

**Q4. I understand that there will be two games, one on disclosed field and another on non-disclosed field. In which field will the game start?**

**A4. It will start with disclosed field.**

**Q5. The field information will be provided in text format, but how will it be distributed, e.g. via QR code, from server, or any other method?**

**A5. It will be distributed from the server.**

Q7. It says the field is to be rectangular, but does this include diamond (shape with slant lines)?

A7. No, diamond is not a rectangle.

Q8. What is the ratio of squares with negative points? And if I get the ratio, do I have to apply that ratio of point distribution to the disclosed field I make myself?

A8. There is no limit in ratio of squares with negative points.

Q9. What is the deviation of points on the squares? And if I get the deviation, do I have to apply that point distribution to the disclosed field I make myself?

A9. There is no limit in the deviation of point on the squares.

Q10. Is the type of agent’s movements included in the field information provided in the strategy step?

A10. Agent’s movement information is included in the field information. Details will be announced in the official website later.

**Q11. It says “When (the agent’s movement is) not transmitted normally, the agent will not move in this turn and remains in the same square” but this movement is identical to the agent’s movement in the Guideline page 10 defined as “Stay,” so is it possible to reread “remains in the same square” as “Stay”? Also, there are other parts that say “have to remain in the same square” (Guideline page 10, Agent’s Movement (1) (ii)) or “invalidated” (Guideline page 10, Agent’s Movement (2) (iii)). Are these also re-readable as “Stay”?**

**A11. Yes, they can all be read as “Stay”.**

Q12. Can you specify to “move” outside the field? If it is possible, how will the movement be?

A12. It is possible to specify to “move” outside the field but it will be invalid.

**Q13. Can you specify to “remove tile” outside the field? If it is possible, how will the movement be?**

**A13. It is possible to specify to “remove tile” outside the field but it will be invalid.**

**Q14. Can you specify to “remove tile” from a square without a tile? If it is possible, how will the movement be?**

**A14. It is possible to specify to “remove tile” from where there is no tile, but it will be invalid.**

**Q15. When “Move” or “Remove” is specified on the square where the agent “Stayed”, or when an agent is specified to a square where an agent is already there and is commanding to remove the tile in another square, there are no concrete processing explained. In these cases, will the “Move” and “Remove” be invalidated and the agents that specified those movements will “Stay” in the original square?**

**A15. All conflicting movements will result in “Stay.”**

**Q16. When only a part of the agent’s movement was not sent correctly, will the remaining parts that were sent normally be applied, or will the agent have to “Stay”?**

**A16. If the format of the data is correct and an invalid movement is specified to some agents while other agents are specified correct movements, then the correct movements will be applied. If the data format is not correct even for a part of the agent, all the agents’ movements are invalidated.**

Q17. How many seconds will a Transition Step take?

A17. It is expected to be a few seconds. It may vary depending on the load on the system.

Q18. Will the information that the “Transition Step is completed” be sent to the players’ computers? If so, how will it be sent?

A18. There will be no specific sign to communicate such information.

Q19. Can you transmit the movement many times in the Strategy Step? If it is allowed to send more than one time, which movement will be reflected to the “Transition Step”?

A19. It is possible to transmit multiple replies for the Strategy Step and the last data received will be valid. Please note that it is the last data that is “received” by the response system and not the last data “sent.” Also, if you repeat sending the data more than necessary, and causes trouble in the operation of the competition, your action may be considered as interference to the competition.

Q20. How many times can you communicate with the response device in the “Strategy Step”?

A20. There is no limit in the number of communications with the response device in the Strategy Step. However, communicating more than necessary and affecting the management of the competition may be determined as interference to the competition.

Q21. Do the players input and send the team’s response, or will the computer do that task?

A21. The computer will do the task.

**Q22. Does the response software have other function besides “Respond”? For example, can it display the field information or the points?**

**A22. The response software has no function to display the field information or the points.**

**Q23. What will be the difference between the simplified software and the competition version?**

**A23. The simplified version of the response software is aimed at understanding the data communication method. In the version used in the actual competition, some functions for actual operation may be added.**

Q24. (In the Guideline) it says that when there are system troubles such as in the network, the competition may proceed off line. Will the status of the field and the points before going off line be valid (i.e. is it continuation of the same game, and not a rematch)?

A24. When a game is interrupted, we are considering conducting a rematch, but it will be determined accordingly.

Q25. When a system error occurs concerning the network, it says (in the Guideline) that the game will proceed off line, but how it will actually be?

A25. We are thinking of turning in the data in USB flash memory, but we will decide accordingly.

Q26. It says “If any trouble occurs to the organizer, the game may be played again with a different problem.” If a trouble occurs in a disclosed field, will the rematch take place on another disclosed field or will one of the disclosed fields that was not selected be used, or will you use a field that is not disclosed at all (a non-disclosed field)?

A26. Rematch for a game on disclosed field will be done in another disclosed field.

Q27. In this game, there is a possibility that even if your player correctly sends the movement response, you may not be able to conduct the movement due to the opponent’s movements (e.g. when there are more than 1 specification of “remove tile” or “move” to 1 square). That is, your own movement may be restricted by the opponent’s movements. Due to this feature, unless you know exactly what the opponent has sent, you cannot determine if the organizer’s system is functioning properly. I do not ask for disclosure during the competition, but what methods will you provide to confirm that the organizer’s system is working normally?

A27. You can receive the opponent’s movements during the game.

Q28. In deciding the winner, it says that when the total points and the tile points are even, you will use a different way to decide on the winner, such as cards or declare draw. How would you decide to use the cards or keep it as draw?

A28. We will decide by combination. We will announce if we will use draw or decide on the winner by cards, etc. in the competition operation guideline.

Q29. In deciding the winner, it says that when the total points and the tile points are even, you will use a different way to decide on the winner, such as cards or declare draw. Can you freely choose which way to use?

A29. The organizer will decide beforehand.

Q30. In the rule, it says that the winner will be decided using cards, etc. but is there any specific way? Is there any strategical characteristic or is it pure luck?

A30. There is no strategy, but will be decided only by luck. Details will be released before the competition starts.

Q31. What is the model number of the provided LAN cable?

A31. On each table, there will be 1 LAN cable terminating with an RJ45 connector (plug) to connect to the competition network. Also the cable is planned to be of enhanced category 5 (Cat.5e) or higher.

Q32. What can I bring in other than the computer? Or is there anything I cannot bring in?

A32. You can bring things you need for the competition as long as it is not against the rules.

Q33. Can I bring in external LAN cable adaptor?

A33. Yes, you can bring in your own external LAN cable adaptor.

Q34. The rule says you can bring in up to 3 computers, but may I use all 3 for sending the answer to the response system? Or should I use only 1 computer for the response system?

A34. You may use all 3 computers for sending the reply to the response system. However, we will provide only 1 LAN cable per team, so if you want to connect more than one computer to the response system, please prepare your own switching HUB, etc. necessary for the connection.

Q35. Is it possible to use multi plug outlet with the provided power outlet?

A35. Yes, it is possible, but be careful with the power capacity.

Q36. Is it possible to see the screen that displays what is shot by video camera during the match?

A36. It is possible to see the screen but please refrain from utilizing other teams’ information in the competition.

**Q37. How big is the table used in the competition?**

**A37. It is 45 cm × 180 cm.**

**Q38. Will there be anything inside the competition space other than the things brought in by the players? Is there will be anything, will they be removable?**

**A38. Power source outlet and LAN cable are placed on the table. You cannot remove what you are provided.**

Q39. Is it possible to connect via cables, the more than 1 computer that I bring in and use it for communication? Will the computers be considered as 1 computer when connected?

A39. It is possible to connect more than 1 computer using cables. Each computer will be counted as1.

**Q40. It says that the data used in the competition may be released after the competition is over, but does it mean after each game, or is it at the end of the day or is it after all the matches in the contest have completed?**

**A40. We plan to disclose the data as soon as possible after the game ends. The game data for Day 1 will be disclosed on the same day at the latest.**