

CSE,RCOEM

Presents



POLARIS

2k17

NEMESIS

**OUR NEMESIS IS HERE. GET READY TO MEET YOUR RIVAL.
BUT, THE JOURNEY IS TOUGH AND FULL OF CHALLENGES.
HENCE, TO CONQUER YOUR NEMESIS, YOUR CHARIOT NEEDS
TO BE TOUGH, AGILE AND FULLY PREPARED.**

GENERAL INSTRUCTIONS

- 1. MAX DIMENSIONS OF THE BOT – 28CM X 28CM X 28CM.**
- 2. REMOTE FOR THE BOT CAN BE WIRED OR WIRELESS.**
- 3. MAX 4 MEMBERS PER GROUP.**
- 4. ARENAS GIVEN IN THIS DOCUMENT ARE TENTATIVE.**
- 5. EVENT START DATE – 18TH JANUARY, 2017.**

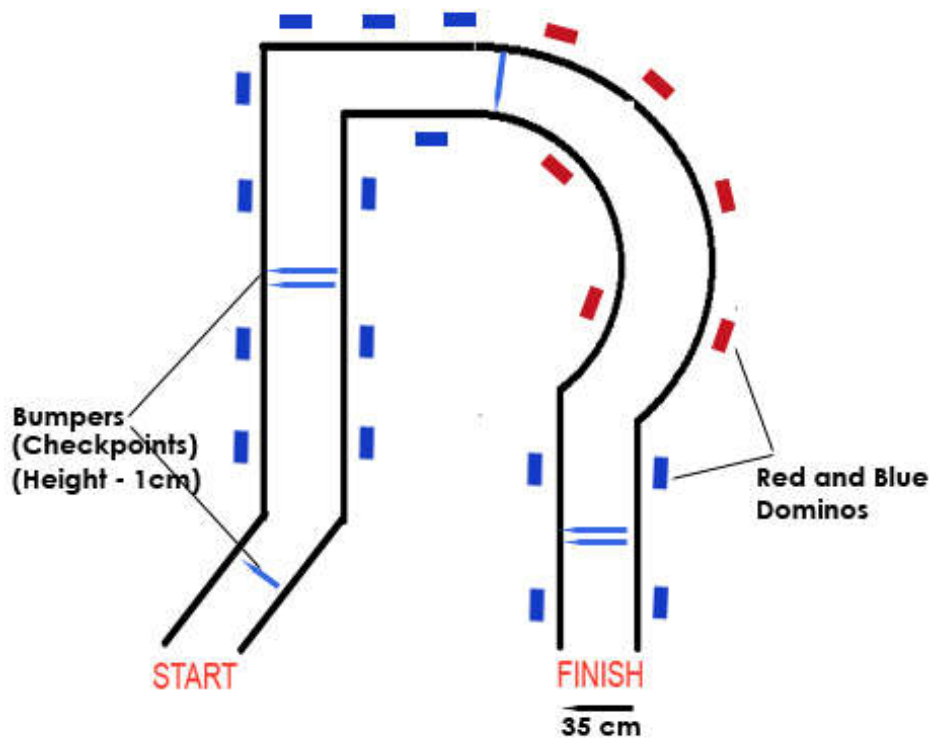
PROBLEM DEFINITION

Round 1

YOU ARE ON YOUR WAY TO YOUR NEMESIS.

YOUR RC-CONTROLLED BOT NEEDS TO TRAVERSE AN ARENA IN THE MINIMAL TIME COMPARED TO OTHERS, IN ORDER TO QUALIFY FOR THE NEXT ROUND.

WAIT, IT CAN'T BE THAT EASY.



Statement

THE BOT HAS TO START FROM '**START**' POSITION, AND TRAVERSE THE PATH, THAT IS SURROUNDED BY BLUE AND RED DOMINOS. THE TIMER WILL STOP AS SOON AS THE BOT REACHES '**FINISH**' POSITION.

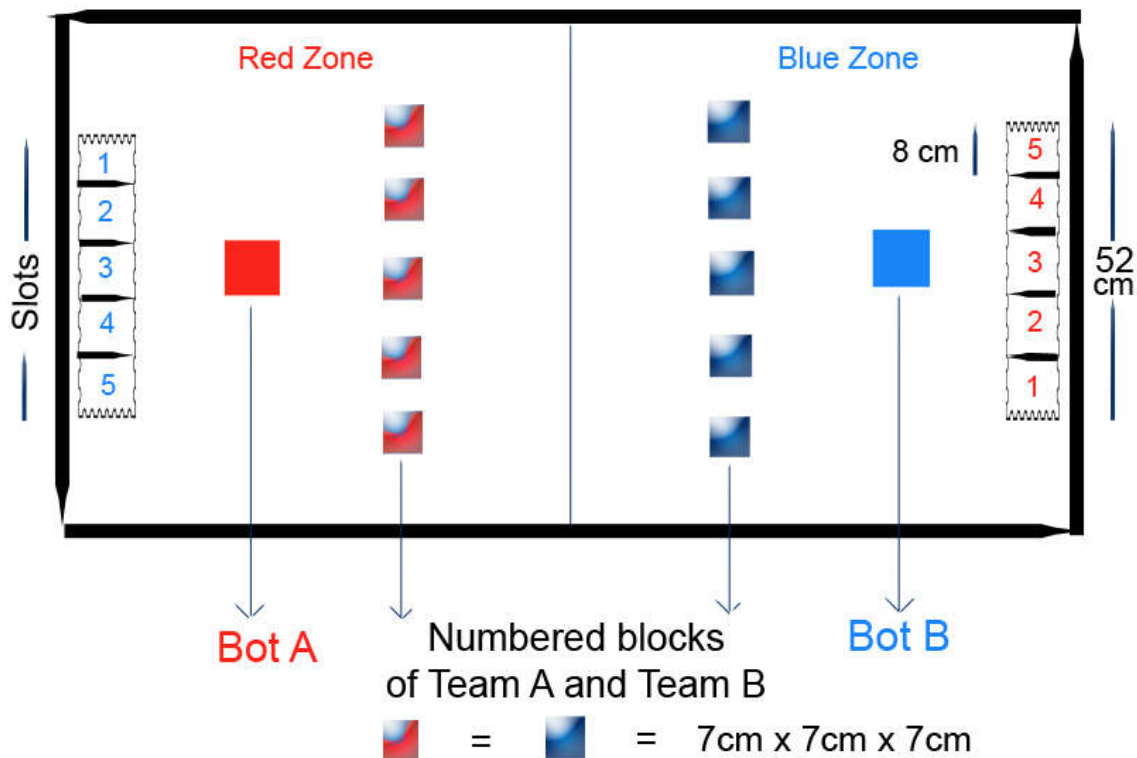
Rules

1. A TIME PENALTY WILL BE ADDED EVERY TIME A BLUE DOMINO IS KNOCKED DOWN, OR IN CASE OF ANY HANDTOUCH.
2. IN THE CASE OF DEVIATION, OR IF ANY RED DOMINO IS KNOCKED OVER, YOUR BOT NEEDS TO RESUME FROM THE PREVIOUS CHECKPOINT.

Round 2

YOU ARE AT YOUR ENEMY'S GATE. ALL YOU NEED TO DO NOW IS TO UNLOCK THE GATE, AND FOR THAT,

YOUR BOT NEEDS TO PLACE THE NUMBERED BLOCKS IN THE SEQUENCE GIVEN. HOWEVER, YOU NEED TO DO THIS FASTER THAN YOUR OPPONENT BOT TO PROCEED TO THE FINAL ROUND.



Statement

AFTER THE TIMER STARTS,

1. BOT A NEEDS TO PLACE THE NUMBERED RED BLOCKS IN THEIR SEQUENCE, IN THE SLOTS OF 'BLUE ZONE'.
2. BOT B NEEDS TO PLACE THE NUMBERED BLUE BLOCKS IN THEIR SEQUENCE, IN THE SLOTS OF 'RED ZONE'.

Rules

1. SEQUENCE OF BLOCKS WILL BE ALLOTTED TO YOU.

2. TWO BOTS WILL COMPETE AGAINST EACH OTHER.
3. THE BOT WHICH COMPLETES THE SEQUENCE FIRST ,WINS AND QUALIFIES FOR THE FINAL ROUND.

Round 3

THIS IS WHERE YOU WILL FINALLY MEET YOUR ENEMY.

DETAILS OF THIS ROUND IS A SURPRISE AND WILL BE GIVEN ON THE EVENT START DATE I.E. ROUND 1.

For queries

CONTACT :

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