Selection Day Puzzle

1. There are N = 25 students
2. We need to pick S = 3 fastest students
   in a running race competition
3. We have a racing track of capacity RT = 5
4. We don't have a watch
5. All students runs at a different phase.

Time taken to run

Name of the student

What is the minimum number of races needed to identify first, second and third positions?

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
5	11	4	15	23	0	10	19	17	1	24	6	12	20	7	8	22	3	21	14	18	16	9	13	2

The fastest 3 students after X races are: 5 9 24

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	20	12	11	23	15	3	14	24	22	18	7	17	6	13	21	16	19	8	5	10	1	2	4	9

The fastest 3 students after X races are: 0 21 22

1. How many races are required?
2. if (show == True)

   For every race you should print
   Track num, Student num, Student time

   Your output must be such that anyone executing your steps
   should be able to conduct races with minimal number of races