a) i. Number Of Trains =0.   ~~There is no~~

BEGIN Display Train

    read Number Of Trains

    Train =1   (error)

~~Number Of Trains =1~~

There is not a statement for 0 Number Of Trains.

ii. Number Of Trains =1

BEGIN Display Train

    read Number Of Trains.

    Train =1   (True)

    WHILE Train <> Number Of Trains

        Read Train ID (Train ID)

        Read Location (Train ID, Location X. Loc Y)

        Display Train ID. (Train D, Loc X, Loc Y)

(ERROR) Read Train ID is not linked to the next

procedure.

    Number Of Trains =2.

    BEGIN Display Train

        read Number Of Trains

        Train =1   (error)

The number of Trains does not equal 1. There are more than 1 train.

ii. Number of Trains = 0

There are no instructions to research if at the present time there are no trains that need to be processed or worked.

Number of Trains = 1

Once you get to the instruction to Read Train ID there is no connection to the function. There is no link tere the next instructions to follow.

Number of Trains = 2.

There is no instruction or procedure ~~for~~ within the software to handle more than 1 train at a time.

iii Modifying the algorithm;

• Train = 1 — change this line to ensure that it can handle situations when there are no trains that ~~can~~ ~~be~~ researchers for the next.

and it may handle more than two trains within the same area.

- Read Train ID — there is a function link so that when the program comes to this line (instruction) it completes the instruction and then comes back to the first algorithm. This also applies for Broadcast Message (TrainID) and Receive Message (x, y)

b) (i) it may be infringing copyright laws if the code was copied without owners permission unless if the code was open source

(ii) Have programmers keep a log book of their progress and a ghantt chart of what could be done