



(a) (i) NumberOfTrains (NOT) = 0, 1, 2

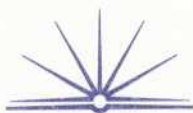
NOT	Train
0	1
0	2
does not end	

NOT	Train
1	1
END	

$<>$ = not equal to

NOT	Train
2	1
2	2
END	

(ii) This algorithm does not work as NumberOfTrains doesn't change. This means that if Train is equal to NumberOfTrains then the WHILE statement does not run through and find the location of the train. ~~for all trains~~ The deskcheck with N.O.T. equal to 0 meant that the WHILE kept running. The ~~2~~ N.O.T. = 1 meant the train ID was never found and the N.O.T. = 2 meant only one train ~~idea~~ ID was found.



(iii) The WHILE statement would read:

WHILE Train \leq Number of Trains

so its while trains is less than or equal to Number of Trains rather than not equal to.

(b) (i) This is actually illegal and called plagiarism. It is unethical to take someone else's work and claim it as your own and gain the credit for it. Another person put hand work ~~in~~ into that code and even if it is not being used it is still considered their intellectual property.



(ii) The management should ask for bibliographies for all subject material found on the internet or other. This would require the team member to print who wrote the code ~~own~~ and what site it came from.

Another choice is to not allow net research to be undertaken and the solutions are not to be coded. They must hand them in as algorithms. This taking away the option of stealing code from another site.