

a) i) If Number of trains = 0

The program will ~~end~~ because not end.

If train = 0 followed by

the while loop - While train <> Number of trains

so 1 is less than 0

thus the loop goes on.

The problem lies when the user enters Number of trains

is 1. Because Train <> Number of trains will not

recognise the 1 because 1 <> 1

so the program will end.

They have to modify this to

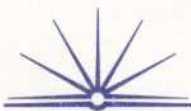
While train <=> Number of trains.

If the user enters 2, on the Number of

trains variables, the program will continue

Desk Check

Number of trains	What should program do?	What did it do
1	Continue loop	Didn't Cont.
2	Continue loop	Continued
0	Continue loop	Continued



9) ii) The Algorithm did not work because as seen in the dash check \rightarrow If the user was to enter the 0, 1, 2 or two in the variable 'Number of trains' the program should either process and continue looping as it is designed.

But as seen in the test data - entering the value '1' in the 'number of trains' process an error & terminates the program, because the Algorithm is wrong. For the in '4' (While train $<$ $>$ Number of trains) will not recognise the value '1' because it is not $<$ or $>$ than '1' it is equal to 1. Thus the

iii) Algorithm logic should contain an '='

(While train \leq \geq Number of trains)

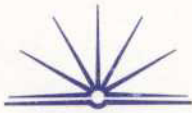
The algorithm should be changed so that it reach 'While train \leq \geq Number of trains' & the variable 'train' should be declared to '0' in order for it to work properly. So declare 'train = 0' instead of '1'



b) i) Intellectual property is the ~~work~~ ~~result~~ ~~from~~ ~~resulted~~ ~~from~~ ~~work~~ ~~ed~~ ~~activity~~. In this case, a programmer has taken a piece of code from someone Intellectual property without consultation. This is classified as plagiarism, and is seen as copyright. Copyright & privacy is one major issues here, as a persons intellectual property is utilized without consent, & privacy of their code has been gathered from their web page, also raises concerns about other private data which is held on the web site;

ii) The management could ensure that the software team carry out their responsibilities in reliability, copyright, quality & response to problems through various guidelines being enforced.

The management should alternately consult each individual programmer about their work, to ensure the responsibilities are upheld. The management team can enquire into how the coding was developed, therefore seeing if copyright had been



c) ii) breached, the management team could also make sure the coding & the design is user friendly. Incorporating consistency & ~~effect~~ appropriate language.

The management team also has the responsibilities to ensure customer support. In order to obtain this, they need detailed descriptions of the operations of the software, & possible 'troubleshooting' errors which may occur, these can all be obtained by the programmer of the various components of the software package.