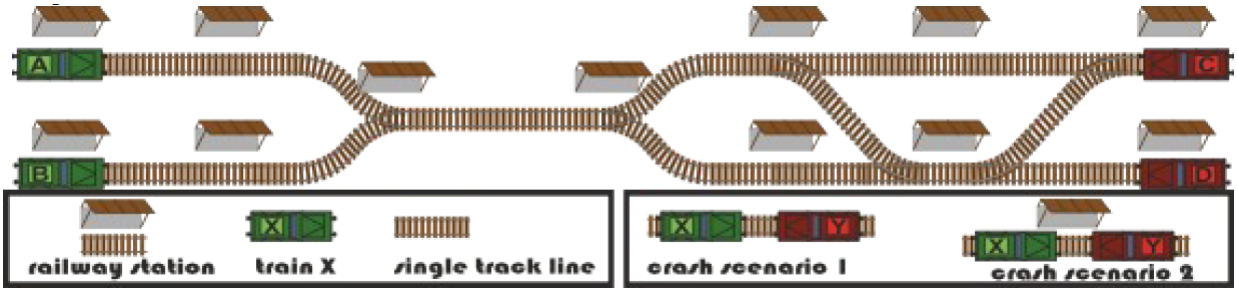
2014-AT-02-EN Railway-System

0 —	I: —	II: —	III: hard	IV: medium
[X] ALG	☐ INF	☐ STRUC	☐ PUZ	☐ SOC	☐ USE

Answer Type: Multiple Choice Graphics are: self made and colorblind proof

body



In the mapped railway-system the trains A and B have to swap their positions with the trains C and D.
All trains will start in a schedule with an offset of one hour.
It takes one hour to cover the distance between two stations.
Once a train has started it can not be held back anymore.
The scheduler has to prevent all crash scenarios.
Scenario 1 occurs if two trains use the same single track line at the same time.
Scenario 2 occurs if two trains pull into the same station at once.
Now it's on you to create the train-schedule.

question

How does your train-schedule looks like?

Answer

A)	train A	train C	train B	train D
B)	train A	train B	train C	train C
C)	train A	train D	train C	train B
D)	train A	train C	train D	train B