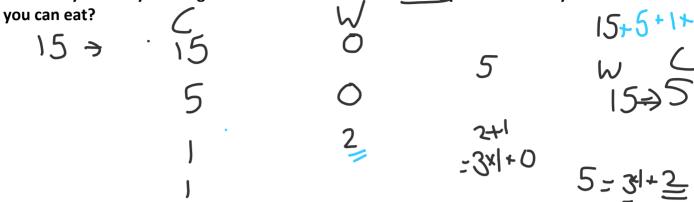
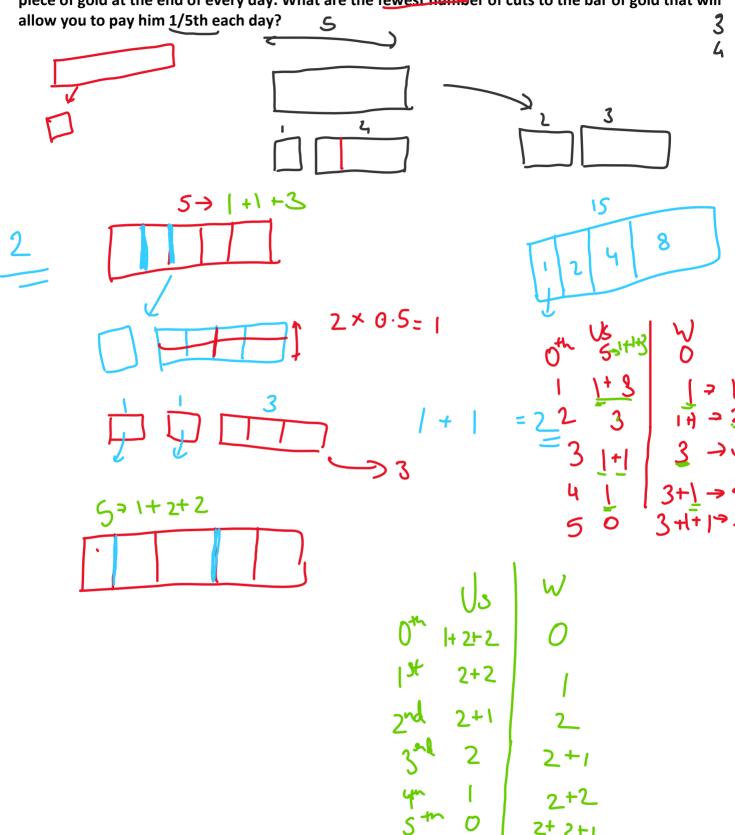
You have 15 Rs with you. You go to a shop and shopkeeper tells you price as 1 Rs per chocolate. He also tells you that you can get a chocolate in return of 3 wrappers. How many maximum chocolates



You have got someone working for you for five days and a gold bar to pay him. You must give them a piece of gold at the end of every day. What are the fewest number of cuts to the bar of gold that will



There are 4 persons (A, B, C and D) who want to cross a bridge in night.



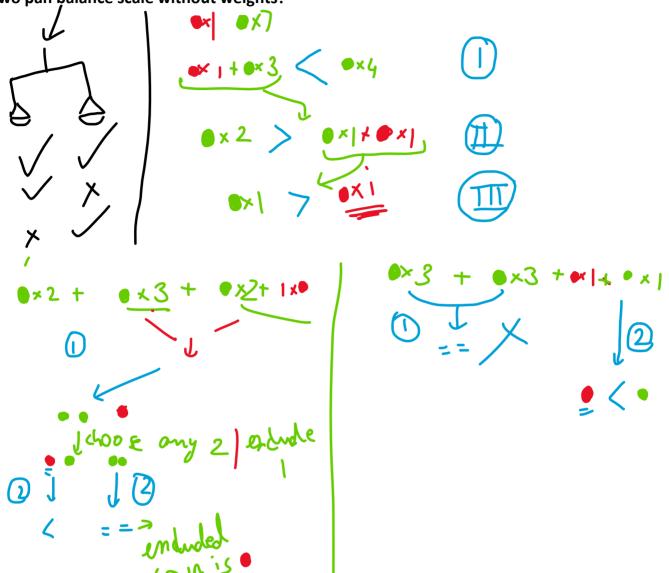
- 1. A takes 1 minute to cross the bridge.
- 2. B takes 2 minutes to cross the bridge.
- 3. C takes 5 minutes to cross the bridge.
- 4. D takes 8 minutes to cross the bridge.

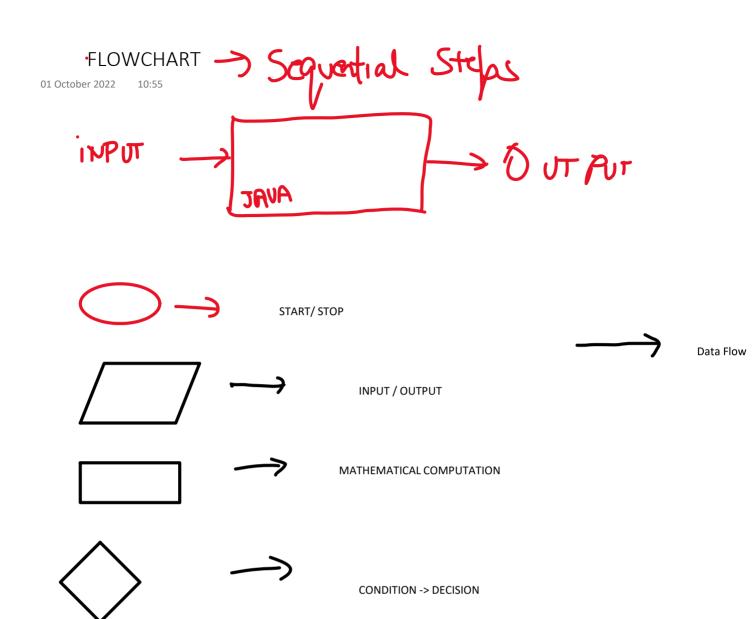
There is only one torch with them and the bridge cannot be crossed without the torch.

There cannot be more than two persons on the bridge at any time, and when two people cross the bridge together, they must move at the slower person's pace. Shortest time to cross the bridge?

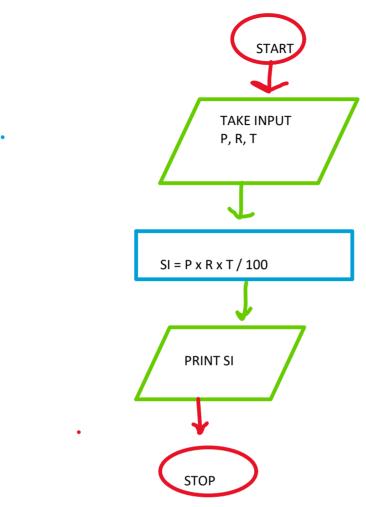
they must move at the slower person's pace. Shortest time to cross the bridge:			
ABLD ->15		A,B,C,D	17
4,0, = A, B	2	BIC -> A, D	8
A. G.D >> B	J	ABC > D	1
$A \rightarrow B_{1}C_{1}D$	8	$B \rightarrow ACD$	5
A,8 (-) C,D	2	AB XD	1
-> ABIG D	2	-> ABLD	2

There are 8 identical coins. One of these coins is a counterfeit and is known to be lighter than the genuine coins. What is the minimum number of weightings needed to identify the fake coin with a two pan balance scale without weights?

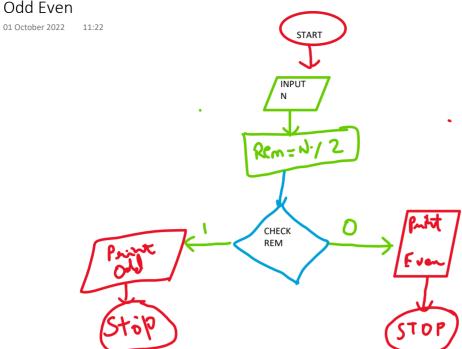




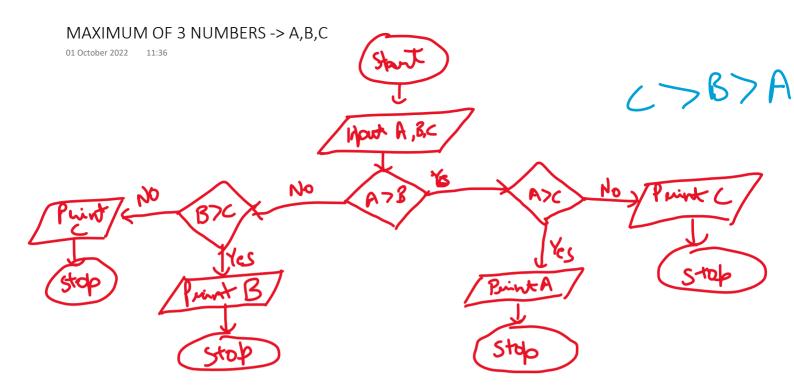
01 October 2022 11:15



Odd Even



·/· > MODU LUS 5.1.2=1



01 October 2022 12:01

30 / M / 100 60 / M / 80 50 / M / 100 40 / M / 50 30 / M / 40 M / 30 Marks 30-100 A 60-80 B 50-60 C 40-50 D 30-40 Parl 230 Fail