

# CS212: Assignment 7

Md Shabbir Jamal

Department of Computer Science and Engineering  
BIT, Mesra, Ranchi  
btech10026.20@bitmesra.ac.in

1. What is Beladys anamoly in case of page replacement algorithm?Please illustrate this anomaly using the following reference string. 3, 2, 1, 0, 3, 2, 4, 3, 2, 1, 0, 4

In ordinary settings it is expected that increasing number of Page Frames would decrease number of page faults, but it so happens that number of page faults increase in some techniques like FIFO.

For Demonstration :-

let the reference string be : 3, 2, 1, 0, 3, 2, 4, 3, 2, 1, 0, 4

At Frames : 3

Fault : 9

At Frames : 4

Fault : 10