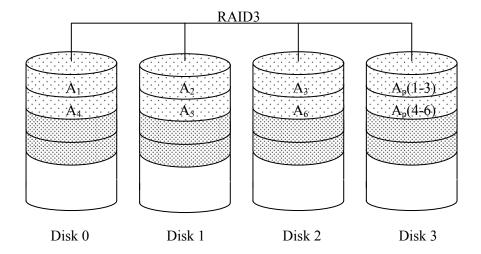
**Q23.** In the RAID3 system shown below, three disks (Disks 0 through 2) for byte-striped data and one dedicated parity disk (Disk 3) are used as one volume. Parity byte Ap is generated by calculating the exclusive OR (XOR) of three bytes in Disks 0 through

$$Ap(1-3) = A_1 XOR A_2 XOR A_3$$

In the case of drive failure, data recovery can be accomplished by using the information recorded on the remaining three error-free drives. Which of the following operations should be executed for this data recovery?



- a) AND
- e) XNOR (Exclusive NOR)
- b) OR
- d) XOR (Exclusive OR)