

5. (Exercise 8,12) (Paging Method) Assuming a 1-KB page size, what are the page numbers and offsets for the following address references (provided as decimal numbers):

a. 3085

$$\left\lfloor \frac{3085}{1024} \right\rfloor = 3 \quad 3085 \% 1024 = 13$$

Page 3, offset 13 #

b. 42095

$$\left\lfloor \frac{42095}{1024} \right\rfloor = 41 \quad 42095 \% 1024 = 111$$

Page 41, offset 111 #

c. 215201

$$\left\lfloor \frac{215201}{1024} \right\rfloor = 210 \quad 215201 \% 1024 = 161$$

Page 210, offset 161 #

d. 650000

$$\left\lfloor \frac{650000}{1024} \right\rfloor = 634 \quad 650000 \% 1024 = 784$$

Page 634, offset 784 #

e. 2000001

$$\left\lfloor \frac{2000001}{1024} \right\rfloor = 1953 \quad 2000001 \% 1024 = 129$$

Page 1953, offset 129 #