-ksh-4.1$ ./virtual\_memory\_lazik

Dr. George Lazik

Virtual address mapping:

-----------------------

1) Enter parameters

2) Map virtual address

3) Quit

Enter selection: 1

**Enter main memory size (words): 2048**

**Enter page size (words/page): 1024**

**Enter replacement policy (0=LRU, 1=FIFO): 0**

**Enter main memory size (words): 2048**

**Enter page size (words/page): 1024**

**Enter replacement policy (0=LRU, 1=FIFO): 1**

Dr. George Lazik

Virtual address mapping:

-----------------------

1) Enter parameters

2) Map virtual address

3) Quit

Enter selection: 2

Enter virtual memory address to access: **5000**

**\*\*\* Page fault!**

**\*\*\* VP 4 --> PF 0**

**\*\*\* Page fault!**

**\*\*\* VP 4 --> PF 0**

Dr. George Lazik

Virtual address mapping:

-----------------------

1) Enter parameters

2) Map virtual address

3) Quit

Enter selection: 2

Enter virtual memory address to access: **2048**

**\*\*\* Page fault!**

**\*\*\* VP 4 --> PF 0**

**\*\*\* VP 2 --> PF 1**

**\*\*\* Page fault!**

**\*\*\* VP 4 --> PF 0**

**\*\*\* VP 2 --> PF 1**

Dr. George Lazik

Virtual address mapping:

-----------------------

1) Enter parameters

2) Map virtual address

3) Quit

Enter selection: 2

Enter virtual memory address to access: **4509**

**\*\*\* Virtual address 4509 maps to physical address 413**

**\*\*\* VP 2 --> PF 1**

**\*\*\* VP 4 --> PF 0**

**\*\*\* VP 4 --> PF 0**

**\*\*\* VP 2 --> PF 1**

Dr. George Lazik

Virtual address mapping:

-----------------------

1) Enter parameters

2) Map virtual address

3) Quit

Enter selection: 2

Enter virtual memory address to access: **7160**

**\*\*\* Page fault!**

**\*\*\* VP 4 --> PF 0**

**\*\*\* VP 6 --> PF 1**

**\*\*\* Page fault!**

**\*\*\* VP 2 --> PF 1**

**\*\*\* VP 6 --> PF 0**

Dr. George Lazik

Virtual address mapping:

-----------------------

1) Enter parameters

2) Map virtual address

3) Quit

Enter selection: 3

-ksh-4.1$

Dr. George Lazik

Virtual address mapping:

-----------------------

1) Enter parameters

2) Map virtual address

3) Quit

Enter selection: 3

-ksh-4.1$