

# Thrashing

```
int a[4,1024];  
for(j=0;j<1024;j++)  
    for(i=0;i<4;i++)  
        a[i,j] = 0;
```

# Four Pages of Data to Transfer

0	
1	
2	
3	

# Four Frames – Page Size 1024

0	
1	
2	
3	

Page Faults = 4

# Three Frames – Page Size 1024

0	
1	
2	

$$\text{Page Faults} = 4 * 1024 = 4,048$$