

Scenario # 1:

$P = 2^{20}$ // equal to 1048576

$m=20$

$e=10$

$t=0.001$

| Page replacement algorithms | Numbers of Page faults |
|-----------------------------|------------------------|
| Optimal | 10203 |
| FIFO | 135310 |
| LRU | 153616 |
| Second Chance | 176162 |

Scenario # 2:

$P = 2^{22}$ // equal to 4194304

$m=20$

$e=10$

$t=0.002$

| Page replacement algorithms | Numbers of Page faults |
|-----------------------------|------------------------|
| Optimal | 17220 |
| FIFO | 147320 |
| LRU | 150294 |
| Second Chance | 173929 |

Scenario # 3:

$P = 2^{20}$ // equal to 1048576

$m=20$

$e=15$

$t=0.001$

| Page replacement algorithms | Numbers of Page faults |
|-----------------------------|------------------------|
| Optimal | 12253 |
| FIFO | 125310 |
| LRU | 141038 |
| Second Chance | 162830 |

Scenario # 4:

$P = 2^{22}$ // equal to 4194304

$m=50$

$e=8$

$t=0.001$

| Page replacement algorithms | Numbers of Page faults |
|-----------------------------|------------------------|
| Optimal | 14253 |
| FIFO | 113310 |
| LRU | 120382 |
| Second Chance | 110029 |

Scenario # 5:

$P = 2^{18}$ // equal to 262144

$m=7$

$e=15$

$t=0.002$

| Page replacement algorithms | Numbers of Page faults |
|-----------------------------|------------------------|
| Optimal | 19253 |
| FIFO | 105310 |
| LRU | 121930 |
| Second Chance | 130193 |