

# Memory Management

## Basic Replacement Algorithms

- ⇒ Optimal
- ⇒ Least Recently Used
- ⇒ FIFO

⇒ FIFO (First in first Out) ⇒ Queue

7, 0, 1, 2, 0, 3, 0, 4, 2, 3, 0, 3, 1, 2, 0

3 frames

Miss | 7 | | |

Miss | 0 | 7 | |

Miss | 1 | 0 | 7 |

Miss | 2 | 1 | 0 |

Hit | 2 | 1 | 0 |

Miss | 3 | 2 | 1 |

Miss | 0 | 3 | 2 |

Miss | 4 | 0 | 3 |

Miss | 2 | 4 | 0 |

Miss 

3	2	4
---	---	---

Miss 

0	3	2
---	---	---

Hit 

0	3	2
---	---	---

Miss 

1	0	3
---	---	---

Miss 

2	1	0
---	---	---

Hit 

2	1	0
---	---	---