

Assignment 2

1. This problem concerns the offline caching problem, when $k = 3$ and the only pages are a, b, c, d, and e. Consider the following request and eviction schedule, and trace through the exchange argument as defined in class as applied to this schedule.

Request:	e	d	c	b	c	d	a	c	e	a	e	a	e	c	a	e	d	a	e	b
Eviction:	-	-	-	c	d	e	d	-	a	e	a	c	-	a	c	-	b	-	-	e

Note that the above eviction schedule is not claimed to be optimal.