1. Start from beginning of the reference string to the end

2. Use the page number, ask if it is in memory

3. If in memory, go to step 1

4. If not in memory

a. Record the page fault

b. Get a free TLB table, go to step 1

c. Loop through the TLB to find the page number that is used the farthest in the reference list

Record the index position in the reference list

Record the index position in the TLB table

If not found, use it, return that TLB index

If saved index < new index

Save new index

Return saved index

Go to step 1

