Write a program to calculate the effective access time of a sequence of page replacements with all the page replacement algorithms.

Effective access time = (1-p)\*(mem\_access\_time) + p\*(page\_fault\_time) ;

where,

p = probability of page fault = (# misses) / (# page references)

Input:

1. Page reference string

2. Number of page frames.

3. Number of page references

4. Memory access time

5. Page fault time

Output:

Show the effective access time in each case.