Exercise in Lecture: (week 10) Student\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID\_\_\_\_\_\_\_\_\_\_\_

Let P =ababbbababa. Compute the failure function values.

Solution:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| i | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| P | a | b | a | b | b | b | a | b | a | b | a |
| F(i) |  |  |  |  |  |  |  |  |  |  |  |

q=1, f(1)=0

q=2,P(q)=b P(f(q-1)+1)=a, f(2)=