

# problem 9



# write C Program to calculate

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$$B(m,0) = 1$$

$$B(m,x) = B(m,x-1) [m-x+1/x]$$

$$x = 1,2,3,\dots,m$$

Further,

$$B(0,0) = 1$$



# expected output:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.3.9600]
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E:\int school\c pool\p80>gcc main.c
E:\int school\c pool\p80>a.exe
 m x  0  1  2  3  4  5  6  7  8  9 10
-----
0      1
1      1  1
2      1  2  1
3      1  3  3  1
4      1  4  6  4  1
5      1  5 10 10  5  1
6      1  6 15 20 15  6  1
7      1  7 21 35 35 21  7  1
8      1  8 28 56 70 56 28  8  1
9      1  9 36 84 126 126 84 36  9  1
10     1 10 45 120 210 252 210 120 45 10  1
-----

E:\int school\c pool\p80>
```

