import java.io.\*;

public class Problem1

{

public static void main(String[] args) throws IOException

{

FileReader file = new FileReader("DATA12.txt");

BufferedReader read = new BufferedReader(file);

String line = "";

String something[] = new String[2];

for (int k = 0; k < 10; k++)

{

line = read.readLine();

something = line.split(" ");

int t = Integer.parseInt(something[0]);

int n = Integer.parseInt(something[1]);

int count = 0;

for (int i = 0; i < n; i++)

{

line = read.readLine();

if(line.equals("E"))

{

if (count > 0)

count--;

}

else if (line.equals("B"))

{

if (count > 0)

count--;

count+=t;

}

}

if(count>0)

{

count--;

}

else

{

count=0;

}

System.out.println(count);

}

read.close();

}

}