Code

```python
import time as t
import random

def stop_n_wait(frame_number,Sn,Rn):
    temp = frame_number
    print("Number of frames : ",frame_number)
    while (frame_number>0):
        print("\nSending the frame : ",Sn)
        n = (random.randint(0,frame_number-1)) % frame_number

        if (n%frame_number)==0:
            for x in range(1,2):
                print("\nWaiting for {} seconds".format(x))
                t.sleep(x)

            print("No info from the receiver, about frame-{} so rese
            print("Re-Sending frame : ",Sn)

            n = (random.randint(0,frame_number-1)) % frame_number

        if temp==Rn:
            print("Acknowledgement for the frame : ",Rn)
            print("end")
            break

        else:
            print("Acknowledgement for the frame : ",Rn+1)
            ## after successfull transmission, reduce the frame numb
            frame_number = frame_number - 1
            Sn+=1  ## incrementing the Sn to the next frame
            Rn+=1  ## incrementing the Rn to the next frame


if __name__ == '__main__':
    frame_number = int(input(("Enter the number of frames : ")))
    Sn = 1  ## sender frame-number
    Rn = 1  ## receiver frame-number
    stop_n_wait(frame_number,Sn,Rn)
```

Output

```
Enter the number of frames : 10
Number of frames :  10

Sending the frame :  1
Acknowledgement for the frame :  2

Sending the frame :  2
Acknowledgement for the frame :  3

Sending the frame :  3

Waiting for 1 seconds
No info from the receiver, about frame-3 so resending the frame-3
    onceagain
Re-Sending frame :  3
Acknowledgement for the frame :  4

Sending the frame :  4
Acknowledgement for the frame :  5

Sending the frame :  5
Acknowledgement for the frame :  6

Sending the frame :  6

Waiting for 1 seconds
No info from the receiver, about frame-6 so resending the frame-6
    onceagain
Re-Sending frame :  6
Acknowledgement for the frame :  7

Sending the frame :  7
Acknowledgement for the frame :  8

Sending the frame :  8
Acknowledgement for the frame :  9

Sending the frame :  9
Acknowledgement for the frame :  10

Sending the frame :  10

Waiting for 1 seconds
No info from the receiver, about frame-10 so resending the frame-10
    onceagain
Re-Sending frame :  10
```

```
Acknowledgement for the frame : 10
end
```

Repl Closed