**OUTPUT OF POSTAL OFFICE IMPLEMENTATION (THREADS & SEMAPHORES)**

Simulating PostOffice with 50 and 3 Postal workers

Postal worker 0 created

Postal worker 1 created

Postal worker 2 created

Customer 0 created

Customer 1 created

Customer 2 created

Customer 3 created

Customer 4 created

Customer 5 created

Customer 6 created

Customer 7 created

Customer 8 created

Customer 9 created

Customer 10 created

Customer 11 created

Customer 12 created

Customer 13 created

Customer 14 created

Customer 15 created

Customer 16 created

Customer 17 created

Customer 18 created

Customer 19 created

Customer 20 created

Customer 21 created

Customer 22 created

Customer 23 created

Customer 24 created

Customer 25 created

Customer 26 created

Customer 27 created

Customer 28 created

Customer 29 created

Customer 30 created

Customer 31 created

Customer 32 created

Customer 33 created

Customer 34 created

Customer 35 created

Customer 36 created

Customer 37 created

Customer 38 created

Customer 39 created

Customer 40 created

Customer 41 created

Customer 42 created

Customer 43 created

Customer 44 created

Customer 45 created

Customer 46 created

Customer 47 created

Customer 48 created

Customer 49 created

Customer 0 enters post office

Customer 0 asks Postal Worker to buy stamps

Postal Worker 0 Serving customer 0

Customer 1 enters post office

Customer 1 asks Postal Worker to mail a letter

Postal Worker 2 Serving customer 1

Customer 2 enters post office

Customer 2 asks Postal Worker to mail a package

Postal Worker 1 Serving customer 2

Postal Worker 0 finished Serving Customer 0

Customer 0 finished buying stamps

Customer 0 leaves Post Office

Joined Customer0.

Customer 3 enters post office

Customer 3 asks Postal Worker to mail a package

Postal Worker 0 Serving customer 3

Postal Worker 2 finished Serving Customer 1

Customer 1 finished mailing a letter

Customer 1 leaves Post Office

Joined Customer1.

Customer 4 enters post office

Customer 4 asks Postal Worker to mail a package

Postal Worker 2 Serving customer 4

Customer 5 enters post office

Postal Worker 1 finished Serving Customer 2

Customer 2 finished mailing a package

Customer 2 leaves Post Office

Customer 5 asks Postal Worker to mail a package

Joined Customer2.

Postal Worker 1 Serving customer 5

Customer 6 enters post office

Postal Worker 0 finished Serving Customer 3

Customer 3 finished mailing a package

Customer 3 leaves Post Office

Joined Customer3.

Customer 6 asks Postal Worker to mail a package

Postal Worker 0 Serving customer 6

Customer 7 enters post office

Postal Worker 2 finished Serving Customer 4

Customer 4 finished mailing a package

Customer 4 leaves Post Office

Joined Customer4.

Customer 7 asks Postal Worker to buy stamps

Postal Worker 2 Serving customer 7

Customer 8 enters post office

Postal Worker 1 finished Serving Customer 5

Customer 5 finished mailing a package

Customer 5 leaves Post Office

Customer 8 asks Postal Worker to mail a package

Joined Customer5.

Postal Worker 1 Serving customer 8

Postal Worker 2 finished Serving Customer 7

Customer 7 finished buying stamps

Customer 7 leaves Post Office

Customer 10 enters post office

Customer 10 asks Postal Worker to mail a letter

Postal Worker 2 Serving customer 10

Postal Worker 0 finished Serving Customer 6

Customer 6 finished mailing a package

Customer 6 leaves Post Office

Joined Customer6.

Joined Customer7.

Postal Worker 2 finished Serving Customer 10

Customer 10 finished mailing a letter

Customer 10 leaves Post Office

Postal Worker 1 finished Serving Customer 8

Customer 8 finished mailing a package

Customer 8 leaves Post Office

Joined Customer8.

Customer 12 enters post office

Customer 12 asks Postal Worker to buy stamps

Postal Worker 0 Serving customer 12

Customer 11 enters post office

Customer 11 asks Postal Worker to mail a letter

Postal Worker 2 Serving customer 11

Postal Worker 0 finished Serving Customer 12

Customer 12 finished buying stamps

Customer 12 leaves Post Office

Postal Worker 2 finished Serving Customer 11

Customer 11 finished mailing a letter

Customer 11 leaves Post Office

Customer 14 enters post office

Customer 14 asks Postal Worker to buy stamps

Postal Worker 1 Serving customer 14

Postal Worker 1 finished Serving Customer 14

Customer 14 finished buying stamps

Customer 14 leaves Post Office

Customer 15 enters post office

Customer 15 asks Postal Worker to mail a letter

Postal Worker 0 Serving customer 15

Customer 16 enters post office

Customer 16 asks Postal Worker to mail a package

Postal Worker 2 Serving customer 16

Postal Worker 0 finished Serving Customer 15

Customer 15 finished mailing a letter

Customer 15 leaves Post Office

Customer 17 enters post office

Customer 17 asks Postal Worker to mail a package

Postal Worker 1 Serving customer 17

Postal Worker 2 finished Serving Customer 16

Customer 18 enters post office

Customer 16 finished mailing a package

Customer 18 asks Postal Worker to mail a package

Customer 16 leaves Post Office

Postal Worker 0 Serving customer 18

Customer 19 enters post office

Customer 19 asks Postal Worker to mail a letter

Postal Worker 2 Serving customer 19

Postal Worker 1 finished Serving Customer 17

Customer 17 finished mailing a package

Customer 17 leaves Post Office

Postal Worker 0 finished Serving Customer 18

Customer 18 finished mailing a package

Customer 18 leaves Post Office

Postal Worker 2 finished Serving Customer 19

Customer 19 finished mailing a letter

Customer 19 leaves Post Office

Customer 20 enters post office

Customer 20 asks Postal Worker to mail a package

Postal Worker 1 Serving customer 20

Customer 23 enters post office

Customer 23 asks Postal Worker to buy stamps

Postal Worker 0 Serving customer 23

Postal Worker 1 finished Serving Customer 20

Customer 20 finished mailing a package

Customer 20 leaves Post Office

Customer 21 enters post office

Customer 21 asks Postal Worker to buy stamps

Postal Worker 2 Serving customer 21

Postal Worker 0 finished Serving Customer 23

Customer 23 finished buying stamps

Customer 23 leaves Post Office

Postal Worker 2 finished Serving Customer 21

Customer 21 finished buying stamps

Customer 21 leaves Post Office

Customer 24 enters post office

Customer 24 asks Postal Worker to buy stamps

Postal Worker 1 Serving customer 24

Postal Worker 1 finished Serving Customer 24

Customer 24 finished buying stamps

Customer 24 leaves Post Office

Customer 25 enters post office

Customer 25 asks Postal Worker to mail a package

Postal Worker 0 Serving customer 25

Postal Worker 0 finished Serving Customer 25

Customer 25 finished mailing a package

Customer 25 leaves Post Office

Customer 26 enters post office

Customer 26 asks Postal Worker to buy stamps

Postal Worker 2 Serving customer 26

Customer 13 enters post office

Customer 13 asks Postal Worker to mail a package

Postal Worker 1 Serving customer 13

Postal Worker 2 finished Serving Customer 26

Customer 26 finished buying stamps

Customer 26 leaves Post Office

Customer 28 enters post office

Customer 28 asks Postal Worker to mail a package

Postal Worker 0 Serving customer 28

Postal Worker 1 finished Serving Customer 13

Customer 13 finished mailing a package

Customer 13 leaves Post Office

Customer 27 enters post office

Customer 27 asks Postal Worker to buy stamps

Postal Worker 2 Serving customer 27

Postal Worker 2 finished Serving Customer 27

Customer 27 finished buying stamps

Customer 27 leaves Post Office

Postal Worker 0 finished Serving Customer 28

Customer 28 finished mailing a package

Customer 28 leaves Post Office

Customer 22 enters post office

Customer 22 asks Postal Worker to mail a letter

Postal Worker 1 Serving customer 22

Customer 31 enters post office

Customer 31 asks Postal Worker to mail a letter

Postal Worker 2 Serving customer 31

Postal Worker 1 finished Serving Customer 22

Customer 22 finished mailing a letter

Customer 22 leaves Post Office

Customer 32 enters post office

Customer 32 asks Postal Worker to mail a package

Postal Worker 0 Serving customer 32

Postal Worker 2 finished Serving Customer 31

Customer 31 finished mailing a letter

Customer 31 leaves Post Office

Customer 30 enters post office

Customer 30 asks Postal Worker to mail a package

Postal Worker 1 Serving customer 30

Postal Worker 0 finished Serving Customer 32

Customer 32 finished mailing a package

Customer 32 leaves Post Office

Postal Worker 1 finished Serving Customer 30

Customer 30 finished mailing a package

Customer 30 leaves Post Office

Customer 49 enters post office

Customer 49 asks Postal Worker to buy stamps

Postal Worker 2 Serving customer 49

Postal Worker 2 finished Serving Customer 49

Customer 49 finished buying stamps

Customer 49 leaves Post Office

Customer 46 enters post office

Customer 46 asks Postal Worker to buy stamps

Postal Worker 0 Serving customer 46

Postal Worker 0 finished Serving Customer 46

Customer 46 finished buying stamps

Customer 46 leaves Post Office

Customer 48 enters post office

Customer 48 asks Postal Worker to buy stamps

Postal Worker 1 Serving customer 48

Postal Worker 1 finished Serving Customer 48

Customer 48 finished buying stamps

Customer 48 leaves Post Office

Customer 47 enters post office

Customer 47 asks Postal Worker to buy stamps

Postal Worker 2 Serving customer 47

Customer 44 enters post office

Customer 44 asks Postal Worker to buy stamps

Postal Worker 0 Serving customer 44

Customer 45 enters post office

Customer 45 asks Postal Worker to mail a package

Postal Worker 1 Serving customer 45

Postal Worker 2 finished Serving Customer 47

Customer 47 finished buying stamps

Customer 47 leaves Post Office

Postal Worker 0 finished Serving Customer 44

Customer 44 finished buying stamps

Customer 44 leaves Post Office

Customer 43 enters post office

Customer 43 asks Postal Worker to mail a letter

Postal Worker 2 Serving customer 43

Customer 41 enters post office

Customer 41 asks Postal Worker to mail a letter

Postal Worker 0 Serving customer 41

Postal Worker 1 finished Serving Customer 45

Customer 45 finished mailing a package

Customer 45 leaves Post Office

Customer 40 enters post office

Customer 40 asks Postal Worker to mail a letter

Postal Worker 1 Serving customer 40

Customer 38 enters post office

Postal Worker 2 finished Serving Customer 43

Customer 43 finished mailing a letter

Customer 43 leaves Post Office

Customer 38 asks Postal Worker to mail a letter

Postal Worker 2 Serving customer 38

Postal Worker 0 finished Serving Customer 41

Customer 41 finished mailing a letter

Customer 41 leaves Post Office

Postal Worker 1 finished Serving Customer 40

Customer 40 finished mailing a letter

Customer 40 leaves Post Office

Postal Worker 2 finished Serving Customer 38

Customer 38 finished mailing a letter

Customer 38 leaves Post Office

Customer 9 enters post office

Customer 9 asks Postal Worker to buy stamps

Postal Worker 0 Serving customer 9

Postal Worker 0 finished Serving Customer 9

Customer 9 finished buying stamps

Customer 9 leaves Post Office

Joined Customer9.

Joined Customer10.

Joined Customer11.

Joined Customer12.

Joined Customer13.

Joined Customer14.

Joined Customer15.

Joined Customer16.

Joined Customer17.

Joined Customer18.

Joined Customer19.

Joined Customer20.

Joined Customer21.

Joined Customer22.

Joined Customer23.

Joined Customer24.

Joined Customer25.

Joined Customer26.

Joined Customer27.

Joined Customer28.

Customer 39 enters post office

Customer 39 asks Postal Worker to buy stamps

Postal Worker 1 Serving customer 39

Customer 37 enters post office

Customer 37 asks Postal Worker to buy stamps

Postal Worker 2 Serving customer 37

Postal Worker 1 finished Serving Customer 39

Customer 39 finished buying stamps

Customer 39 leaves Post Office

Postal Worker 2 finished Serving Customer 37

Customer 37 finished buying stamps

Customer 37 leaves Post Office

Customer 29 enters post office

Customer 29 asks Postal Worker to buy stamps

Postal Worker 0 Serving customer 29

Customer 36 enters post office

Customer 36 asks Postal Worker to buy stamps

Postal Worker 1 Serving customer 36

Customer 33 enters post office

Customer 33 asks Postal Worker to mail a letter

Postal Worker 2 Serving customer 33

Postal Worker 0 finished Serving Customer 29

Customer 29 finished buying stamps

Customer 29 leaves Post Office

Joined Customer29.

Joined Customer30.

Joined Customer31.

Joined Customer32.

Customer 34 enters post office

Customer 34 asks Postal Worker to mail a package

Postal Worker 0 Serving customer 34

Postal Worker 1 finished Serving Customer 36

Customer 36 finished buying stamps

Customer 36 leaves Post Office

Postal Worker 2 finished Serving Customer 33

Customer 33 finished mailing a letter

Customer 33 leaves Post Office

Joined Customer33.

Postal Worker 0 finished Serving Customer 34

Customer 34 finished mailing a package

Customer 34 leaves Post Office

Joined Customer34.

Customer 35 enters post office

Customer 35 asks Postal Worker to mail a package

Postal Worker 1 Serving customer 35

Postal Worker 1 finished Serving Customer 35

Customer 35 finished mailing a package

Customer 35 leaves Post Office

Joined Customer35.

Joined Customer36.

Joined Customer37.

Joined Customer38.

Joined Customer39.

Joined Customer40.

Joined Customer41.

Customer 42 enters post office

Customer 42 asks Postal Worker to mail a package

Postal Worker 2 Serving customer 42

Postal Worker 2 finished Serving Customer 42

Customer 42 finished mailing a package

Customer 42 leaves Post Office

Joined Customer42.

Joined Customer43.

Joined Customer44.

Joined Customer45.

Joined Customer46.

Joined Customer47.

Joined Customer48.

Joined Customer49.