A priority queue for a simplified agenda manager in a rule-based expert system shell

Objective:

> To create an application for building a priority queue system that is implemented by using a heap. This agenda manager application should get the input through a file from the user (i.e., user has to provide the absolute file path for the executing to program) and removes out the rule of higher priority after the execution of each and every cycle.

> Part 1: Results obtained from the runs against each of the given tests

Test Results:

- ➔ Input file : test1.txt
- ➔ Output:

```
Please provide the complete path of the file you want to check:
D:\Softwares\Java Workspace\test1.txt

********* Current Rule in execution : Rule1 *********

 Activated rules in the Agenda Manager are :

(R10,10) , (R20,20) , (R5,5) , (R210,10) , (R360,60) , (R260,60) , (R60,60) ,
(R35,35) , (R75,75) , (R80,80) , (R76,76) , (R90,90)

Rule which is executed and removed from the heap : R90




================================================================================


(R15, 15) ----> is the new rule added to the queue(heap)


********* Current Rule in execution : Rule2 *********

 Activated rules in the Agenda Manager are :

(R10,10) , (R20,20) , (R5,5) , (R210,10) , (R360,60) , (R260,60) , (R15,15) ,
(R35,35) , (R75,75) , (R60,60) , (R76,76) , (R80,80)

Rule which is executed and removed from the heap : R80




================================================================================


(R50, 50) ----> is the new rule added to the queue(heap)
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********* Current Rule in execution : Rule3 *********

 Activated rules in the Agenda Manager are :

(R15,15) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R50,50) , (R35,35) , (R360,60) , (R60,60) , (R75,75) , (R76,76)

Rule which is executed and removed from the heap : R76

==

(R275, 75) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule4 *********

 Activated rules in the Agenda Manager are :

(R50,50) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R60,60) , (R35,35) , (R15,15) , (R275,75) , (R360,60) , (R75,75)

Rule which is executed and removed from the heap : R75

==

(R80, 80) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule5 *********

 Activated rules in the Agenda Manager are :

(R55,55) , (R50,50) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R60,60) , (R35,35) , (R15,15) , (R275,75) , (R360,60) , (R80,80)

Rule which is executed and removed from the heap : R80

==

(R3, 3) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule6 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R50,50) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R55,55) , (R35,35) , (R15,15) , (R60,60) , (R360,60) , (R275,75)

Rule which is executed and removed from the heap : R275

==

(R310, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule7 *********

 Activated rules in the Agenda Manager are :

(R310,10) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R55,55) , (R20,20) , (R15,15) , (R60,60) , (R35,35) , (R360,60)

Rule which is executed and removed from the heap : R360

==

(R95, 95) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule8 *********

 Activated rules in the Agenda Manager are :

(R55,55) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R310,10) , (R260,60) , (R20,20) , (R15,15) , (R60,60) , (R35,35) , (R95,95)

Rule which is executed and removed from the heap : R95

==

(R59, 59) ----> is the new rule added to the queue(heap)

(R58, 58) ----> is the new rule added to the queue(heap)

(R57, 57) ----> is the new rule added to the queue(heap)

(R56, 56) ----> is the new rule added to the queue(heap)

(R255, 55) ----> is the new rule added to the queue(heap)

(R54, 54) ----> is the new rule added to the queue(heap)

(R53, 53) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule9 *********

 Activated rules in the Agenda Manager are :

(R53,53) , (R210,10) , (R15,15) , (R10,10) , (R57,57) , (R310,10) , (R55,55) ,
(R50,50) , (R3,3) , (R5,5) , (R54,54) , (R35,35) , (R58,58) , (R59,59) , (R20,20) ,
(R255,55) , (R260,60) , (R56,56) , (R60,60)

Rule which is executed and removed from the heap : R60

==

(R220, 20) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule10 *********

 Activated rules in the Agenda Manager are :

(R220,20) , (R210,10) , (R15,15) , (R10,10) , (R57,57) , (R310,10) , (R53,53) ,
(R50,50) , (R3,3) , (R5,5) , (R54,54) , (R35,35) , (R58,58) , (R55,55) , (R20,20) ,
(R255,55) , (R59,59) , (R56,56) , (R260,60)

Rule which is executed and removed from the heap : R260

==

(R60, 60) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule11 *********

 Activated rules in the Agenda Manager are :

(R54,54) , (R210,10) , (R15,15) , (R10,10) , (R220,20) , (R310,10) , (R53,53) ,
(R50,50) , (R3,3) , (R5,5) , (R255,55) , (R35,35) , (R57,57) , (R55,55) , (R20,20) ,
(R56,56) , (R58,58) , (R59,59) , (R60,60)

Rule which is executed and removed from the heap : R60

==

(R90, 90) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule12 *********

 Activated rules in the Agenda Manager are :

(R54,54) , (R210,10) , (R15,15) , (R10,10) , (R220,20) , (R310,10) , (R53,53) ,
(R50,50) , (R3,3) , (R5,5) , (R255,55) , (R35,35) , (R57,57) , (R55,55) , (R20,20) ,
(R56,56) , (R58,58) , (R59,59) , (R90,90)

Rule which is executed and removed from the heap : R90

==

(R1, 1) ----> is the new rule added to the queue(heap)

(R2, 1) ----> is the new rule added to the queue(heap)

(R1, 1) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule13 *********

 Activated rules in the Agenda Manager are :

(R1,1) , (R2,1) , (R1,1) , (R210,10) , (R15,15) , (R10,10) , (R220,20) , (R310,10) ,
(R53,53) , (R50,50) , (R3,3) , (R5,5) , (R54,54) , (R35,35) , (R57,57) , (R55,55) ,
(R20,20) , (R255,55) , (R58,58) , (R56,56) , (R59,59)

Rule which is executed and removed from the heap : R59

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********* Current Rule in execution : Rule14 *********

 Activated rules in the Agenda Manager are :

(R2,1) , (R1,1) , (R210,10) , (R15,15) , (R10,10) , (R1,1) , (R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) , (R54,54) , (R35,35) , (R220,20) , (R55,55) , (R20,20) , (R255,55) , (R57,57) , (R56,56) , (R58,58)

Rule which is executed and removed from the heap : R58

==

********* Current Rule in execution : Rule15 *********

 Activated rules in the Agenda Manager are :

(R1,1) , (R210,10) , (R15,15) , (R10,10) , (R1,1) , (R310,10) , (R2,1) , (R50,50) , (R3,3) , (R5,5) , (R54,54) , (R35,35) , (R220,20) , (R53,53) , (R20,20) , (R255,55) , (R55,55) , (R56,56) , (R57,57)

Rule which is executed and removed from the heap : R57

==

********* Current Rule in execution : Rule16 *********

 Activated rules in the Agenda Manager are :

(R1,1) , (R15,15) , (R10,10) , (R1,1) , (R310,10) , (R2,1) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R35,35) , (R220,20) , (R53,53) , (R20,20) , (R54,54) , (R55,55) , (R255,55) , (R56,56)

Rule which is executed and removed from the heap : R56

==

********* Current Rule in execution : Rule17 *********

 Activated rules in the Agenda Manager are :

(R1,1) , (R10,10) , (R1,1) , (R310,10) , (R2,1) , (R50,50) , (R3,3) , (R5,5) ,
(R210,10) , (R15,15) , (R220,20) , (R53,53) , (R20,20) , (R35,35) , (R55,55) ,
(R54,54) , (R255,55)

Rule which is executed and removed from the heap : R255

==

********* Current Rule in execution : Rule18 *********

 Activated rules in the Agenda Manager are :

(R10,10) , (R1,1) , (R310,10) , (R2,1) , (R1,1) , (R3,3) , (R5,5) , (R210,10) ,
(R15,15) , (R220,20) , (R50,50) , (R20,20) , (R35,35) , (R53,53) , (R54,54) ,
(R55,55)

Rule which is executed and removed from the heap : R55

==

********* Current Rule in execution : Rule19 *********

 Activated rules in the Agenda Manager are :

(R1,1) , (R310,10) , (R2,1) , (R1,1) , (R3,3) , (R5,5) , (R210,10) , (R10,10) ,
(R220,20) , (R50,50) , (R20,20) , (R15,15) , (R53,53) , (R35,35) , (R54,54)

Rule which is executed and removed from the heap : R54

==

********* Current Rule in execution : Rule20 *********

 Activated rules in the Agenda Manager are :

(R310,10) , (R2,1) , (R1,1) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R220,20) ,
(R1,1) , (R20,20) , (R15,15) , (R50,50) , (R35,35) , (R53,53)

Rule which is executed and removed from the heap : R53

===

********* Current Rule in execution : Rule21 *********

 Activated rules in the Agenda Manager are :

(R2,1) , (R1,1) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R310,10) , (R1,1) ,
(R20,20) , (R15,15) , (R220,20) , (R35,35) , (R50,50)

Rule which is executed and removed from the heap : R50

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********* Current Rule in execution : Rule22 *********

 Activated rules in the Agenda Manager are :

(R1,1) , (R3,3) , (R2,1) , (R210,10) , (R10,10) , (R310,10) , (R1,1) , (R5,5) ,
(R15,15) , (R220,20) , (R20,20) , (R35,35)

Rule which is executed and removed from the heap : R35

===

********* Current Rule in execution : Rule23 *********

Activated rules in the Agenda Manager are :

(R3,3) , (R2,1) , (R210,10) , (R1,1) , (R310,10) , (R1,1) , (R5,5) , (R10,10) , (R220,20) , (R15,15) , (R20,20)

Rule which is executed and removed from the heap : R20

==

********* Current Rule in execution : Rule24 *********

 Activated rules in the Agenda Manager are :

(R2,1) , (R210,10) , (R1,1) , (R3,3) , (R1,1) , (R5,5) , (R10,10) , (R310,10) , (R15,15) , (R220,20)

Rule which is executed and removed from the heap : R220

==

********* Current Rule in execution : Rule25 *********

 Activated rules in the Agenda Manager are :

(R2,1) , (R1,1) , (R3,3) , (R1,1) , (R5,5) , (R210,10) , (R310,10) , (R10,10) , (R15,15)

Rule which is executed and removed from the heap : R15

==

********* Current Rule in execution : Rule26 *********

 Activated rules in the Agenda Manager are :

(R1,1) , (R3,3) , (R1,1) , (R5,5) , (R2,1) , (R310,10) , (R210,10) , (R10,10)

Rule which is executed and removed from the heap : R10

==

********* Current Rule in execution : Rule27 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R1,1) , (R1,1) , (R2,1) , (R310,10) , (R5,5) , (R210,10)

Rule which is executed and removed from the heap : R210

==

********* Current Rule in execution : Rule28 *********

 Activated rules in the Agenda Manager are :

(R1,1) , (R1,1) , (R2,1) , (R3,3) , (R5,5) , (R310,10)

Rule which is executed and removed from the heap : R310

==

********* Current Rule in execution : Rule29 *********

 Activated rules in the Agenda Manager are :

(R1,1) , (R2,1) , (R3,3) , (R1,1) , (R5,5)

Rule which is executed and removed from the heap : R5

==

********* Current Rule in execution : Rule30 *********

 Activated rules in the Agenda Manager are :

(R2,1) , (R1,1) , (R1,1) , (R3,3)

Rule which is executed and removed from the heap : R3

==

The current inference will be terminated after 30 cycles
Time taken to execute 30 cycles is: 0.239 Secs

===============================End of Execution=================================

Please provide the complete path of the file you want to check:
D:\Softwares\Java Workspace\test2.txt

********* Current Rule in execution : Rule1 *********

 Activated rules in the Agenda Manager are :

(r2,2) , (r15,15)

Rule which is executed and removed from the heap : r15

==

(r20, 20) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule2 *********

 Activated rules in the Agenda Manager are :

(r2,2) , (r20,20)

Rule which is executed and removed from the heap : r20

==

(r100, 100) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule3 *********

 Activated rules in the Agenda Manager are :

(r2,2) , (r100,100)

Rule which is executed and removed from the heap : r100

==

(r0, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule4 *********

 Activated rules in the Agenda Manager are :

(r0,0) , (r2,2)

Rule which is executed and removed from the heap : r2

==

(r100, 100) ----> is the new rule added to the queue(heap)

(r102, 100) ----> is the new rule added to the queue(heap)

(r103, 100) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule5 *********

 Activated rules in the Agenda Manager are :

(r0,0) , (r103,100) , (r102,100) , (r100,100)

Rule which is executed and removed from the heap : r100

===

(r104, 100) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule6 *********

 Activated rules in the Agenda Manager are :

(r0,0) , (r104,100) , (r103,100) , (r102,100)

Rule which is executed and removed from the heap : r102

===

(r105, 100) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule7 *********

 Activated rules in the Agenda Manager are :

(r0,0) , (r105,100) , (r104,100) , (r103,100)

Rule which is executed and removed from the heap : r102

===

(r28, 28) ----> is the new rule added to the queue(heap)

(r19, 19) ----> is the new rule added to the queue(heap)

(r02, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule8 *********

 Activated rules in the Agenda Manager are :

(r02,0) , (r19,19) , (r0,0) , (r105,100) , (r28,28) , (r104,100)

Rule which is executed and removed from the heap : r104

==

(r35, 35) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule9 *********

 Activated rules in the Agenda Manager are :

(r02,0) , (r19,19) , (r0,0) , (r35,35) , (r28,28) , (r105,100)

Rule which is executed and removed from the heap : r105

==

(r20, 20) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule10 *********

 Activated rules in the Agenda Manager are :

(r02,0) , (r19,19) , (r0,0) , (r20,20) , (r28,28) , (r35,35)

Rule which is executed and removed from the heap : r35

==

(rule2, 2) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule11 *********

 Activated rules in the Agenda Manager are :

(rule2,2) , (r02,0) , (r0,0) , (r20,20) , (r19,19) , (r28,28)

Rule which is executed and removed from the heap : r28

==

(r15, 15) ----> is the new rule added to the queue(heap)

(r80, 80) ----> is the new rule added to the queue(heap)

(r16, 16) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule12 *********

 Activated rules in the Agenda Manager are :

(r0,0) , (r15,15) , (rule2,2) , (r02,0) , (r16,16) , (r20,20) , (r19,19) , (r80,80)

Rule which is executed and removed from the heap : r80

==

(r13, 13) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule13 *********

 Activated rules in the Agenda Manager are :

(r13,13) , (r0,0) , (rule2,2) , (r02,0) , (r16,16) , (r15,15) , (r19,19) , (r20,20)

Rule which is executed and removed from the heap : r20

==

(r100, 100) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule14 *********

 Activated rules in the Agenda Manager are :

(r13,13) , (r0,0) , (rule2,2) , (r02,0) , (r16,16) , (r15,15) , (r19,19) , (r100,100)

Rule which is executed and removed from the heap : r100

==

(r99, 99) ----> is the new rule added to the queue(heap)

(r100, 100) ----> is the new rule added to the queue(heap)

(r30, 30) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule15 *********

 Activated rules in the Agenda Manager are :

(r02,0) , (r16,16) , (r13,13) , (r0,0) , (rule2,2) , (r30,30) , (r19,19) , (r15,15) , (r99,99) , (r100,100)

Rule which is executed and removed from the heap : r100

==

(r5, 5) ----> is the new rule added to the queue(heap)

(r88, 88) ----> is the new rule added to the queue(heap)

(r99, 99) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule16 *********

 Activated rules in the Agenda Manager are :

(rule2,2) , (r5,5) , (r02,0) , (r16,16) , (r13,13) , (r0,0) , (r15,15) , (r30,30) , (r19,19) , (r99,99) , (r88,88) , (r99,99)

Rule which is executed and removed from the heap : r99

==

(r55, 55) ----> is the new rule added to the queue(heap)

(r70, 70) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule17 *********

 Activated rules in the Agenda Manager are :

(r15,15) , (rule2,2) , (r5,5) , (r02,0) , (r16,16) , (r13,13) , (r0,0) , (r55,55) ,
(r30,30) , (r19,19) , (r70,70) , (r88,88) , (r99,99)

Rule which is executed and removed from the heap : r99

===

(r45, 45) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule18 *********

 Activated rules in the Agenda Manager are :

(r45,45) , (rule2,2) , (r5,5) , (r02,0) , (r16,16) , (r13,13) , (r0,0) , (r55,55) ,
(r15,15) , (r19,19) , (r70,70) , (r30,30) , (r88,88)

Rule which is executed and removed from the heap : r88

===

(rr1, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule19 *********

 Activated rules in the Agenda Manager are :

(rr1,0) , (rule2,2) , (r5,5) , (r02,0) , (r16,16) , (r13,13) , (r0,0) , (r45,45) ,
(r15,15) , (r19,19) , (r55,55) , (r30,30) , (r70,70)

Rule which is executed and removed from the heap : r70

===

(rr2, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule20 *********

 Activated rules in the Agenda Manager are :

(rr2,0) , (rr1,0) , (r5,5) , (r02,0) , (r16,16) , (r13,13) , (r0,0) , (rule2,2) ,
(r15,15) , (r19,19) , (r45,45) , (r30,30) , (r55,55)

Rule which is executed and removed from the heap : r55

==

(rr3, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule21 *********

 Activated rules in the Agenda Manager are :

(rr3,0) , (rr1,0) , (r5,5) , (r02,0) , (r16,16) , (r13,13) , (r0,0) , (rr2,0) ,
(r15,15) , (r19,19) , (rule2,2) , (r30,30) , (r45,45)

Rule which is executed and removed from the heap : r45

==

(rr4, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule22 *********

 Activated rules in the Agenda Manager are :

(rr4,0) , (rr1,0) , (r5,5) , (r02,0) , (rr3,0) , (r13,13) , (r0,0) , (rr2,0) ,
(r15,15) , (r16,16) , (rule2,2) , (r19,19) , (r30,30)

Rule which is executed and removed from the heap : r30

==

(rr5, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule23 *********

 Activated rules in the Agenda Manager are :

(rr5,0) , (rr1,0) , (r5,5) , (r02,0) , (rr3,0) , (rr4,0) , (r0,0) , (rr2,0) , (r15,15) , (r13,13) , (rule2,2) , (r16,16) , (r19,19)

Rule which is executed and removed from the heap : r19

===

(rr6, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule24 *********

 Activated rules in the Agenda Manager are :

(rr6,0) , (rr1,0) , (rr5,0) , (r02,0) , (rr3,0) , (rr4,0) , (r0,0) , (rr2,0) , (r5,5) , (r13,13) , (rule2,2) , (r15,15) , (r16,16)

Rule which is executed and removed from the heap : r16

===

(rr7, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule25 *********

 Activated rules in the Agenda Manager are :

(rr7,0) , (rr1,0) , (rr5,0) , (r02,0) , (rr3,0) , (rr4,0) , (r0,0) , (rr2,0) , (r5,5) , (rr6,0) , (rule2,2) , (r13,13) , (r15,15)

Rule which is executed and removed from the heap : r15

==

(rr8, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule26 *********

 Activated rules in the Agenda Manager are :

(rr8,0) , (rr1,0) , (rr5,0) , (r02,0) , (rr3,0) , (rr4,0) , (r0,0) , (rr2,0) , (rr7,0) , (rr6,0) , (rule2,2) , (r5,5) , (r13,13)

Rule which is executed and removed from the heap : r13

==

(rr9, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule27 *********

 Activated rules in the Agenda Manager are :

(rr9,0) , (rr1,0) , (rr5,0) , (r02,0) , (rr3,0) , (rr4,0) , (r0,0) , (rr2,0) , (rr7,0) , (rr6,0) , (rule2,2) , (rr8,0) , (r5,5)

Rule which is executed and removed from the heap : r5

==

(rr10, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule28 *********

 Activated rules in the Agenda Manager are :

(rr10,0) , (rr1,0) , (rr5,0) , (r02,0) , (rr3,0) , (rr4,0) , (r0,0) , (rr2,0) , (rr7,0) , (rr6,0) , (rr9,0) , (rr8,0) , (rule2,2)

Rule which is executed and removed from the heap : rule2

==

(rr11, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule29 *********

 Activated rules in the Agenda Manager are :

(rr11,0) , (rr1,0) , (rr5,0) , (r02,0) , (rr3,0) , (rr4,0) , (r0,0) , (rr2,0) ,
(rr7,0) , (rr6,0) , (rr9,0) , (rr8,0) , (rr10,0)

Rule which is executed and removed from the heap : rr10

==

(rr12, 0) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule30 *********

 Activated rules in the Agenda Manager are :

(rr12,0) , (rr1,0) , (rr5,0) , (r02,0) , (rr3,0) , (rr4,0) , (r0,0) , (rr2,0) ,
(rr7,0) , (rr6,0) , (rr9,0) , (rr8,0) , (rr11,0)

Rule which is executed and removed from the heap : rr11

==

The current inference will be terminated after 30 cycles
Time taken to execute 30 cycles is: 0.384 Secs

==============================End of Execution==============================

➜ Input file : test3.txt
➜ Output:

```
Please provide the complete path of the file you want to check:
D:\Softwares\Java Workspace\test3.txt

********* Current Rule in execution : Rule1 *********

 Activated rules in the Agenda Manager are :

(r12,12) , (r5,5) , (r13,13) , (r2,2) , (r3,3) , (r10,10) , (r15,15) , (r24,24) ,
(r6,6) , (r1,1) , (r9,9) , (r8,8) , (r7,7) , (r4,4) , (r11,11) , (r21,21) , (r19,19)
, (r14,14) , (r17,17) , (r25,25) , (r16,16) , (r20,20) , (r26,26) , (r22,22) ,
(r18,18) , (r27,27) , (r28,28) , (r23,23) , (r29,29) , (r30,30)

Rule which is executed and removed from the heap : r30



================================================================================


(r100, 100) ----> is the new rule added to the queue(heap)


********* Current Rule in execution : Rule2 *********

 Activated rules in the Agenda Manager are :

(r21,21) , (r5,5) , (r13,13) , (r2,2) , (r3,3) , (r10,10) , (r15,15) , (r24,24) ,
(r6,6) , (r1,1) , (r9,9) , (r8,8) , (r7,7) , (r4,4) , (r11,11) , (r22,22) , (r19,19)
, (r14,14) , (r17,17) , (r25,25) , (r16,16) , (r20,20) , (r12,12) , (r23,23) ,
(r18,18) , (r27,27) , (r26,26) , (r29,29) , (r28,28) , (r100,100)

Rule which is executed and removed from the heap : r100



================================================================================


(r35, 35) ----> is the new rule added to the queue(heap)
```

********* Current Rule in execution : Rule3 *********

 Activated rules in the Agenda Manager are :

(r21,21) , (r5,5) , (r13,13) , (r2,2) , (r3,3) , (r10,10) , (r15,15) , (r24,24) ,
(r6,6) , (r1,1) , (r9,9) , (r8,8) , (r7,7) , (r4,4) , (r11,11) , (r22,22) , (r19,19)
, (r14,14) , (r17,17) , (r25,25) , (r16,16) , (r20,20) , (r12,12) , (r23,23) ,
(r18,18) , (r27,27) , (r26,26) , (r29,29) , (r28,28) , (r35,35)

Rule which is executed and removed from the heap : r35

==

(r100, 100) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule4 *********

 Activated rules in the Agenda Manager are :

(r21,21) , (r5,5) , (r13,13) , (r2,2) , (r3,3) , (r10,10) , (r15,15) , (r24,24) ,
(r6,6) , (r1,1) , (r9,9) , (r8,8) , (r7,7) , (r4,4) , (r11,11) , (r22,22) , (r19,19)
, (r14,14) , (r17,17) , (r25,25) , (r16,16) , (r20,20) , (r12,12) , (r23,23) ,
(r18,18) , (r27,27) , (r26,26) , (r29,29) , (r28,28) , (r100,100)

Rule which is executed and removed from the heap : r100

==

********* Current Rule in execution : Rule5 *********

 Activated rules in the Agenda Manager are :

(r5,5) , (r13,13) , (r2,2) , (r3,3) , (r10,10) , (r15,15) , (r24,24) , (r6,6) ,
(r1,1) , (r9,9) , (r8,8) , (r7,7) , (r4,4) , (r11,11) , (r21,21) , (r19,19) ,
(r14,14) , (r17,17) , (r25,25) , (r16,16) , (r20,20) , (r12,12) , (r22,22) , (r18,18)
, (r27,27) , (r26,26) , (r23,23) , (r28,28) , (r29,29)

Rule which is executed and removed from the heap : r29

==

********* Current Rule in execution : Rule6 *********

 Activated rules in the Agenda Manager are :

(r13,13) , (r2,2) , (r3,3) , (r10,10) , (r15,15) , (r5,5) , (r6,6) , (r1,1) , (r9,9)
, (r8,8) , (r7,7) , (r4,4) , (r11,11) , (r21,21) , (r19,19) , (r14,14) , (r17,17) ,
(r24,24) , (r16,16) , (r20,20) , (r12,12) , (r22,22) , (r18,18) , (r25,25) , (r26,26)
, (r23,23) , (r27,27) , (r28,28)

Rule which is executed and removed from the heap : r28

==

********* Current Rule in execution : Rule7 *********

 Activated rules in the Agenda Manager are :

(r2,2) , (r3,3) , (r10,10) , (r15,15) , (r5,5) , (r6,6) , (r1,1) , (r9,9) , (r8,8) ,
(r7,7) , (r4,4) , (r11,11) , (r21,21) , (r19,19) , (r14,14) , (r17,17) , (r24,24) ,
(r16,16) , (r13,13) , (r12,12) , (r22,22) , (r18,18) , (r25,25) , (r20,20) , (r23,23)
, (r26,26) , (r27,27)

Rule which is executed and removed from the heap : r27

==

********* Current Rule in execution : Rule8 *********

 Activated rules in the Agenda Manager are :

(r3,3) , (r10,10) , (r15,15) , (r5,5) , (r2,2) , (r1,1) , (r9,9) , (r8,8) , (r7,7) ,
(r4,4) , (r11,11) , (r21,21) , (r19,19) , (r14,14) , (r17,17) , (r6,6) , (r16,16) ,
(r13,13) , (r12,12) , (r22,22) , (r18,18) , (r24,24) , (r20,20) , (r23,23) , (r25,25)
, (r26,26)

Rule which is executed and removed from the heap : r26

==

********* Current Rule in execution : Rule9 *********

 Activated rules in the Agenda Manager are :

(r10,10) , (r15,15) , (r5,5) , (r2,2) , (r1,1) , (r3,3) , (r8,8) , (r7,7) , (r4,4) ,
(r11,11) , (r21,21) , (r19,19) , (r14,14) , (r17,17) , (r6,6) , (r9,9) , (r13,13) ,
(r12,12) , (r22,22) , (r18,18) , (r16,16) , (r20,20) , (r23,23) , (r24,24) , (r25,25)

Rule which is executed and removed from the heap : r25

==

********* Current Rule in execution : Rule10 *********

 Activated rules in the Agenda Manager are :

(r15,15) , (r5,5) , (r2,2) , (r1,1) , (r3,3) , (r8,8) , (r7,7) , (r4,4) , (r11,11) ,
(r21,21) , (r19,19) , (r14,14) , (r17,17) , (r6,6) , (r9,9) , (r10,10) , (r12,12) ,
(r22,22) , (r18,18) , (r16,16) , (r13,13) , (r23,23) , (r20,20) , (r24,24)

Rule which is executed and removed from the heap : r24

==

********* Current Rule in execution : Rule11 *********

 Activated rules in the Agenda Manager are :

(r5,5) , (r2,2) , (r1,1) , (r3,3) , (r8,8) , (r7,7) , (r4,4) , (r11,11) , (r15,15) ,
(r19,19) , (r14,14) , (r17,17) , (r6,6) , (r9,9) , (r10,10) , (r12,12) , (r21,21) ,
(r18,18) , (r16,16) , (r13,13) , (r22,22) , (r20,20) , (r23,23)

Rule which is executed and removed from the heap : r23

==

********* Current Rule in execution : Rule12 *********

 Activated rules in the Agenda Manager are :

(r2,2) , (r1,1) , (r3,3) , (r8,8) , (r7,7) , (r4,4) , (r11,11) , (r15,15) , (r5,5) ,
(r14,14) , (r17,17) , (r6,6) , (r9,9) , (r10,10) , (r12,12) , (r19,19) , (r18,18) ,
(r16,16) , (r13,13) , (r21,21) , (r20,20) , (r22,22)

Rule which is executed and removed from the heap : r22

===

********* Current Rule in execution : Rule13 *********

 Activated rules in the Agenda Manager are :

(r1,1) , (r3,3) , (r8,8) , (r7,7) , (r4,4) , (r11,11) , (r2,2) , (r5,5) , (r14,14) ,
(r17,17) , (r6,6) , (r9,9) , (r10,10) , (r12,12) , (r15,15) , (r18,18) , (r16,16) ,
(r13,13) , (r19,19) , (r20,20) , (r21,21)

Rule which is executed and removed from the heap : r21

===

********* Current Rule in execution : Rule14 *********

 Activated rules in the Agenda Manager are :

(r1,1) , (r8,8) , (r7,7) , (r4,4) , (r11,11) , (r2,2) , (r5,5) , (r14,14) , (r17,17)
, (r6,6) , (r3,3) , (r10,10) , (r12,12) , (r15,15) , (r18,18) , (r9,9) , (r13,13) ,
(r19,19) , (r16,16) , (r20,20)

Rule which is executed and removed from the heap : r20

===

********* Current Rule in execution : Rule15 *********

 Activated rules in the Agenda Manager are :

(r8,8) , (r7,7) , (r4,4) , (r11,11) , (r2,2) , (r5,5) , (r14,14) , (r1,1) , (r6,6) , (r3,3) , (r10,10) , (r12,12) , (r15,15) , (r17,17) , (r9,9) , (r13,13) , (r18,18) , (r16,16) , (r19,19)

Rule which is executed and removed from the heap : r19

==

********* Current Rule in execution : Rule16 *********

 Activated rules in the Agenda Manager are :

(r7,7) , (r4,4) , (r11,11) , (r2,2) , (r5,5) , (r8,8) , (r1,1) , (r6,6) , (r3,3) , (r10,10) , (r12,12) , (r15,15) , (r14,14) , (r9,9) , (r13,13) , (r17,17) , (r16,16) , (r18,18)

Rule which is executed and removed from the heap : r18

==

********* Current Rule in execution : Rule17 *********

 Activated rules in the Agenda Manager are :

(r4,4) , (r11,11) , (r2,2) , (r5,5) , (r8,8) , (r1,1) , (r6,6) , (r3,3) , (r10,10) , (r12,12) , (r7,7) , (r14,14) , (r9,9) , (r13,13) , (r15,15) , (r16,16) , (r17,17)

Rule which is executed and removed from the heap : r17

==

********* Current Rule in execution : Rule18 *********

 Activated rules in the Agenda Manager are :

(r4,4) , (r2,2) , (r5,5) , (r8,8) , (r1,1) , (r6,6) , (r3,3) , (r10,10) , (r11,11) ,
(r7,7) , (r14,14) , (r9,9) , (r12,12) , (r15,15) , (r13,13) , (r16,16)

Rule which is executed and removed from the heap : r16

==

********* Current Rule in execution : Rule19 *********

 Activated rules in the Agenda Manager are :

(r2,2) , (r5,5) , (r4,4) , (r1,1) , (r6,6) , (r3,3) , (r10,10) , (r11,11) , (r7,7) ,
(r8,8) , (r9,9) , (r12,12) , (r14,14) , (r13,13) , (r15,15)

Rule which is executed and removed from the heap : r15

==

********* Current Rule in execution : Rule20 *********

 Activated rules in the Agenda Manager are :

(r5,5) , (r2,2) , (r1,1) , (r6,6) , (r3,3) , (r10,10) , (r11,11) , (r7,7) , (r4,4) ,
(r9,9) , (r12,12) , (r8,8) , (r13,13) , (r14,14)

Rule which is executed and removed from the heap : r14

==

********* Current Rule in execution : Rule21 *********

 Activated rules in the Agenda Manager are :

(r2,2) , (r1,1) , (r6,6) , (r3,3) , (r10,10) , (r5,5) , (r7,7) , (r4,4) , (r9,9) ,
(r11,11) , (r8,8) , (r12,12) , (r13,13)

Rule which is executed and removed from the heap : r13

==

********* Current Rule in execution : Rule22 *********

 Activated rules in the Agenda Manager are :

(r1,1) , (r6,6) , (r3,3) , (r2,2) , (r5,5) , (r7,7) , (r4,4) , (r9,9) , (r10,10) , (r8,8) , (r11,11) , (r12,12)

Rule which is executed and removed from the heap : r12

==

********* Current Rule in execution : Rule23 *********

 Activated rules in the Agenda Manager are :

(r6,6) , (r3,3) , (r2,2) , (r1,1) , (r7,7) , (r4,4) , (r9,9) , (r5,5) , (r8,8) , (r10,10) , (r11,11)

Rule which is executed and removed from the heap : r11

==

********* Current Rule in execution : Rule24 *********

 Activated rules in the Agenda Manager are :

(r3,3) , (r2,2) , (r1,1) , (r7,7) , (r4,4) , (r6,6) , (r5,5) , (r8,8) , (r9,9) , (r10,10)

Rule which is executed and removed from the heap : r10

==

********* Current Rule in execution : Rule25 *********

 Activated rules in the Agenda Manager are :

(r2,2) , (r1,1) , (r7,7) , (r4,4) , (r3,3) , (r5,5) , (r8,8) , (r6,6) , (r9,9)

Rule which is executed and removed from the heap : r9

==

********* Current Rule in execution : Rule26 *********

 Activated rules in the Agenda Manager are :

(r1,1) , (r2,2) , (r4,4) , (r3,3) , (r5,5) , (r7,7) , (r6,6) , (r8,8)

Rule which is executed and removed from the heap : r8

==

********* Current Rule in execution : Rule27 *********

 Activated rules in the Agenda Manager are :

(r2,2) , (r1,1) , (r3,3) , (r5,5) , (r4,4) , (r6,6) , (r7,7)

Rule which is executed and removed from the heap : r7

==

********* Current Rule in execution : Rule28 *********

 Activated rules in the Agenda Manager are :

(r1,1) , (r3,3) , (r2,2) , (r4,4) , (r5,5) , (r6,6)

Rule which is executed and removed from the heap : r6

==

********* Current Rule in execution : Rule29 *********

 Activated rules in the Agenda Manager are :

(r1,1) , (r2,2) , (r4,4) , (r3,3) , (r5,5)

Rule which is executed and removed from the heap : r5

==

********* Current Rule in execution : Rule30 *********

 Activated rules in the Agenda Manager are :

(r2,2) , (r1,1) , (r3,3) , (r4,4)

Rule which is executed and removed from the heap : r4

==

The current inference will be terminated after 30 cycles
Time taken to execute 30 cycles is: 0.256 Secs

==============================End of Execution==============================

Part 2: Experiment to see the run time performance of the simplified agenda manager for different problem sizes

Test Results:

➔ Input file : Experiment_sampleInput1.txt
➔ Output:

```
Please provide the complete path of the file you want to check:
D:\Softwares\Java Workspace\Experiment_sampleInput1.txt

********* Current Rule in execution : Rule1 *********

 Activated rules in the Agenda Manager are :

(R5,5) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R60,60) , (R35,35) ,
(R15,15) , (R10,10) , (R20,20) , (R35,35) , (R210,10) , (R360,60) , (R260,60) ,
(R60,60) , (R50,50) , (R75,75) , (R80,80) , (R76,76) , (R90,90)

Rule which is executed and removed from the heap : R90


===============================================================================


(R80, 80) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R275, 75) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)
```

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule2 *********

 Activated rules in the Agenda Manager are :

(R55,55) , (R50,50) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R5,5) ,
(R15,15) , (R10,10) , (R360,60) , (R20,20) , (R35,35) , (R20,20) , (R5,5) , (R210,10)
, (R10,10) , (R260,60) , (R60,60) , (R35,35) , (R260,60) , (R15,15) , (R275,75) ,
(R50,50) , (R210,10) , (R360,60) , (R260,60) , (R60,60) , (R76,76) , (R75,75) ,
(R60,60) , (R80,80) , (R80,80)

Rule which is executed and removed from the heap : R80

==

(R275, 75) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule3 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R20,20) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R5,5) , (R210,10) , (R210,10) , (R60,60) , (R10,10) , (R260,60) , (R50,50) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R5,5) , (R15,15) , (R10,10) , (R55,55) , (R50,50) , (R35,35) , (R20,20) , (R55,55) , (R15,15) , (R360,60) , (R360,60) , (R60,60) , (R35,35) , (R260,60) , (R15,15) , (R360,60) , (R50,50) , (R260,60) , (R275,75) , (R260,60) , (R60,60) , (R275,75) , (R75,75) , (R60,60) , (R76,76) , (R80,80)

Rule which is executed and removed from the heap : R80

==

(R360, 60) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule4 *********

 Activated rules in the Agenda Manager are :

(R310,10) , (R10,10) , (R3,3) , (R5,5) , (R210,10) , (R5,5) , (R20,20) , (R15,15) ,
(R15,15) , (R10,10) , (R55,55) , (R35,35) , (R50,50) , (R20,20) , (R20,20) , (R5,5) ,
(R210,10) , (R10,10) , (R35,35) , (R5,5) , (R210,10) , (R210,10) , (R60,60) ,
(R10,10) , (R3,3) , (R50,50) , (R20,20) , (R5,5) , (R210,10) , (R35,35) , (R35,35) ,
(R10,10) , (R55,55) , (R15,15) , (R60,60) , (R360,60) , (R35,35) , (R20,20) ,
(R55,55) , (R15,15) , (R360,60) , (R260,60) , (R60,60) , (R50,50) , (R260,60) ,
(R260,60) , (R360,60) , (R50,50) , (R260,60) , (R360,60) , (R260,60) , (R60,60) ,
(R275,75) , (R275,75) , (R60,60) , (R75,75) , (R76,76)

Rule which is executed and removed from the heap : R76

==

(R95, 95) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R80, 80) ----> is the new rule added to the queue(heap)

(R76, 76) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R75, 75) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule5 *********

Activated rules in the Agenda Manager are :

(R10,10) , (R210,10) , (R5,5) , (R210,10) , (R360,60) , (R10,10) , (R15,15) , (R3,3) , (R50,50) , (R310,10) , (R60,60) , (R20,20) , (R15,15) , (R5,5) , (R35,35) , (R210,10) , (R35,35) , (R10,10) , (R3,3) , (R5,5) , (R210,10) , (R5,5) , (R20,20) , (R15,15) , (R15,15) , (R10,10) , (R55,55) , (R35,35) , (R50,50) , (R20,20) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R5,5) , (R210,10) , (R15,15) , (R60,60) , (R260,60) , (R35,35) , (R60,60) , (R60,60) , (R20,20) , (R60,60) , (R50,50) , (R35,35) , (R10,10) , (R55,55) , (R15,15) , (R60,60) , (R360,60) , (R35,35) , (R20,20) , (R55,55) , (R20,20) , (R360,60) , (R260,60) , (R75,75) , (R260,60) , (R260,60) , (R260,60) , (R360,60) , (R50,50) , (R260,60) , (R360,60) , (R76,76) , (R60,60) , (R275,75) , (R75,75) , (R80,80) , (R275,75) , (R95,95)

Rule which is executed and removed from the heap : R95

===

(R76, 76) ----> is the new rule added to the queue(heap)

(R75, 75) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule6 *********

Activated rules in the Agenda Manager are :

(R5,5) , (R210,10) , (R5,5) , (R210,10) , (R10,10) , (R50,50) , (R35,35) , (R35,35) , (R5,5) , (R60,60) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R210,10) , (R360,60)

, (R10,10) , (R15,15) , (R3,3) , (R50,50) , (R310,10) , (R10,10) , (R20,20) , (R15,15) , (R5,5) , (R35,35) , (R210,10) , (R35,35) , (R10,10) , (R3,3) , (R5,5) , (R210,10) , (R5,5) , (R20,20) , (R15,15) , (R15,15) , (R10,10) , (R55,55) , (R35,35) , (R50,50) , (R20,20) , (R20,20) , (R15,15) , (R20,20) , (R10,10) , (R260,60) , (R55,55) , (R260,60) , (R20,20) , (R60,60) , (R260,60) , (R35,35) , (R60,60) , (R60,60) , (R20,20) , (R60,60) , (R50,50) , (R35,35) , (R10,10) , (R55,55) , (R15,15) , (R60,60) , (R360,60) , (R35,35) , (R20,20) , (R360,60) , (R75,75) , (R360,60) , (R260,60) , (R60,60) , (R260,60) , (R260,60) , (R260,60) , (R360,60) , (R50,50) , (R75,75) , (R360,60) , (R75,75) , (R60,60) , (R275,75) , (R275,75) , (R76,76) , (R76,76) , (R80,80)

Rule which is executed and removed from the heap : R80

==

(R75, 75) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R275, 75) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule7 *********

 Activated rules in the Agenda Manager are :

(R50,50) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R50,50) , (R35,35) , (R20,20) , (R15,15) , (R20,20) , (R35,35) , (R15,15) , (R210,10) , (R5,5) , (R210,10) , (R10,10) , (R50,50) , (R35,35) , (R35,35) , (R5,5) , (R5,5) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R210,10) , (R360,60) , (R10,10) , (R15,15) , (R3,3) , (R50,50) , (R310,10) , (R10,10) , (R20,20) , (R15,15) , (R5,5) , (R35,35) , (R210,10) ,

```
(R35,35) , (R10,10) , (R3,3) , (R5,5) , (R210,10) , (R5,5) , (R20,20) , (R15,15) ,
(R15,15) , (R10,10) , (R55,55) , (R35,35) , (R260,60) , (R60,60) , (R360,60) ,
(R50,50) , (R20,20) , (R10,10) , (R260,60) , (R55,55) , (R60,60) , (R20,20) ,
(R60,60) , (R260,60) , (R35,35) , (R60,60) , (R60,60) , (R20,20) , (R60,60) ,
(R50,50) , (R35,35) , (R10,10) , (R55,55) , (R15,15) , (R60,60) , (R360,60) ,
(R275,75) , (R20,20) , (R360,60) , (R260,60) , (R360,60) , (R260,60) , (R60,60) ,
(R260,60) , (R260,60) , (R260,60) , (R360,60) , (R75,75) , (R75,75) , (R360,60) ,
(R75,75) , (R60,60) , (R275,75) , (R75,75) , (R76,76) , (R275,75) , (R76,76)
```

Rule which is executed and removed from the heap : R76


```
================================================================================
```


(R80, 80) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R275, 75) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule8 *********

 Activated rules in the Agenda Manager are :

```
(R20,20) , (R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R15,15) ,
(R15,15) , (R15,15) , (R15,15) , (R10,10) , (R55,55) , (R20,20) , (R5,5) , (R210,10)
, (R10,10) , (R50,50) , (R35,35) , (R20,20) , (R15,15) , (R20,20) , (R35,35) ,
(R15,15) , (R210,10) , (R5,5) , (R210,10) , (R10,10) , (R50,50) , (R35,35) , (R35,35)
, (R5,5) , (R5,5) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R210,10) , (R360,60)
```

, (R10,10) , (R15,15) , (R3,3) , (R50,50) , (R310,10) , (R10,10) , (R20,20) ,
(R15,15) , (R5,5) , (R35,35) , (R210,10) , (R35,35) , (R10,10) , (R3,3) , (R5,5) ,
(R50,50) , (R10,10) , (R20,20) , (R260,60) , (R35,35) , (R360,60) , (R60,60) ,
(R35,35) , (R260,60) , (R60,60) , (R360,60) , (R50,50) , (R20,20) , (R10,10) ,
(R260,60) , (R55,55) , (R60,60) , (R20,20) , (R60,60) , (R260,60) , (R35,35) ,
(R60,60) , (R60,60) , (R20,20) , (R50,50) , (R50,50) , (R35,35) , (R55,55) , (R60,60)
, (R260,60) , (R360,60) , (R360,60) , (R275,75) , (R20,20) , (R360,60) , (R260,60) ,
(R360,60) , (R260,60) , (R60,60) , (R60,60) , (R260,60) , (R60,60) , (R275,75) ,
(R75,75) , (R75,75) , (R360,60) , (R260,60) , (R275,75) , (R275,75) , (R75,75) ,
(R75,75) , (R76,76) , (R80,80)

Rule which is executed and removed from the heap : R80

==

(R275, 75) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule9 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R35,35) , (R210,10) , (R5,5) , (R210,10) , (R10,10) , (R50,50) , (R10,10) ,
(R15,15) , (R3,3) , (R35,35) , (R5,5) , (R50,50) , (R210,10) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R55,55) , (R15,15) , (R15,15) , (R15,15) , (R15,15) ,

(R10,10) , (R55,55) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R50,50) , (R35,35)
, (R20,20) , (R15,15) , (R20,20) , (R35,35) , (R15,15) , (R210,10) , (R5,5) ,
(R210,10) , (R10,10) , (R50,50) , (R35,35) , (R35,35) , (R5,5) , (R5,5) , (R210,10) ,
(R15,15) , (R210,10) , (R5,5) , (R210,10) , (R360,60) , (R10,10) , (R15,15) , (R3,3)
, (R50,50) , (R310,10) , (R10,10) , (R20,20) , (R15,15) , (R5,5) , (R50,50) ,
(R20,20) , (R35,35) , (R55,55) , (R35,35) , (R60,60) , (R55,55) , (R10,10) , (R20,20)
, (R260,60) , (R35,35) , (R360,60) , (R60,60) , (R35,35) , (R260,60) , (R60,60) ,
(R360,60) , (R50,50) , (R20,20) , (R10,10) , (R260,60) , (R55,55) , (R20,20) ,
(R20,20) , (R60,60) , (R260,60) , (R35,35) , (R60,60) , (R60,60) , (R20,20) ,
(R50,50) , (R260,60) , (R360,60) , (R260,60) , (R60,60) , (R260,60) , (R360,60) ,
(R360,60) , (R275,75) , (R20,20) , (R360,60) , (R60,60) , (R360,60) , (R260,60) ,
(R60,60) , (R60,60) , (R275,75) , (R60,60) , (R275,75) , (R75,75) , (R260,60) ,
(R360,60) , (R260,60) , (R275,75) , (R275,75) , (R75,75) , (R75,75) , (R75,75) ,
(R76,76)

Rule which is executed and removed from the heap : R76

===

(R360, 60) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule10 *********

 Activated rules in the Agenda Manager are :

```
(R310,10) , (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R20,20) ,
(R15,15) , (R15,15) , (R20,20) , (R5,5) , (R50,50) , (R35,35) , (R210,10) , (R5,5) ,
(R210,10) , (R10,10) , (R50,50) , (R10,10) , (R15,15) , (R3,3) , (R35,35) , (R5,5) ,
(R50,50) , (R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R15,15) ,
(R15,15) , (R15,15) , (R15,15) , (R10,10) , (R55,55) , (R20,20) , (R5,5) , (R210,10)
, (R10,10) , (R50,50) , (R35,35) , (R20,20) , (R15,15) , (R20,20) , (R35,35) ,
(R15,15) , (R210,10) , (R5,5) , (R210,10) , (R10,10) , (R50,50) , (R35,35) , (R35,35)
, (R5,5) , (R5,5) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R210,10) , (R360,60)
, (R10,10) , (R15,15) , (R3,3) , (R50,50) , (R310,10) , (R10,10) , (R260,60) ,
(R20,20) , (R35,35) , (R50,50) , (R20,20) , (R35,35) , (R55,55) , (R35,35) , (R60,60)
, (R55,55) , (R10,10) , (R20,20) , (R260,60) , (R35,35) , (R360,60) , (R60,60) ,
(R35,35) , (R260,60) , (R60,60) , (R360,60) , (R50,50) , (R20,20) , (R10,10) ,
(R260,60) , (R55,55) , (R20,20) , (R20,20) , (R60,60) , (R260,60) , (R35,35) ,
(R50,50) , (R60,60) , (R60,60) , (R360,60) , (R260,60) , (R360,60) , (R260,60) ,
(R60,60) , (R260,60) , (R360,60) , (R360,60) , (R275,75) , (R20,20) , (R360,60) ,
(R60,60) , (R360,60) , (R60,60) , (R60,60) , (R60,60) , (R275,75) , (R60,60) ,
(R275,75) , (R75,75) , (R260,60) , (R260,60) , (R260,60) , (R275,75) , (R275,75) ,
(R360,60) , (R75,75) , (R75,75) , (R75,75)

Rule which is executed and removed from the heap : R75
```

==

```
(R95, 95) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)
```

********* Current Rule in execution : Rule11 *********

 Activated rules in the Agenda Manager are :

(R50,50) , (R5,5) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R310,10) , (R10,10) ,
(R15,15) , (R15,15) , (R35,35) , (R3,3) , (R50,50) , (R3,3) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R55,55) , (R20,20) , (R15,15) , (R15,15) , (R20,20) , (R5,5)
, (R50,50) , (R35,35) , (R210,10) , (R5,5) , (R210,10) , (R10,10) , (R50,50) ,
(R10,10) , (R15,15) , (R3,3) , (R35,35) , (R5,5) , (R50,50) , (R210,10) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R55,55) , (R15,15) , (R15,15) , (R15,15) , (R15,15)
, (R10,10) , (R55,55) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R50,50) ,
(R35,35) , (R20,20) , (R15,15) , (R310,10) , (R35,35) , (R15,15) , (R210,10) , (R5,5)
, (R210,10) , (R10,10) , (R50,50) , (R35,35) , (R35,35) , (R5,5) , (R5,5) , (R210,10)
, (R15,15) , (R210,10) , (R55,55) , (R210,10) , (R360,60) , (R260,60) , (R20,20) ,
(R35,35) , (R50,50) , (R310,10) , (R10,10) , (R260,60) , (R20,20) , (R35,35) ,
(R50,50) , (R20,20) , (R35,35) , (R55,55) , (R35,35) , (R60,60) , (R55,55) , (R10,10)
, (R20,20) , (R260,60) , (R35,35) , (R360,60) , (R60,60) , (R35,35) , (R260,60) ,
(R60,60) , (R20,20) , (R50,50) , (R20,20) , (R10,10) , (R260,60) , (R55,55) ,
(R20,20) , (R20,20) , (R60,60) , (R260,60) , (R60,60) , (R60,60) , (R60,60) ,
(R60,60) , (R360,60) , (R260,60) , (R360,60) , (R260,60) , (R60,60) , (R260,60) ,
(R360,60) , (R360,60) , (R360,60) , (R20,20) , (R360,60) , (R60,60) , (R360,60) ,
(R260,60) , (R60,60) , (R60,60) , (R275,75) , (R60,60) , (R275,75) , (R275,75) ,
(R260,60) , (R360,60) , (R260,60) , (R275,75) , (R75,75) , (R275,75) , (R75,75) ,
(R75,75) , (R95,95)

Rule which is executed and removed from the heap : R95

==

(R60, 60) ----> is the new rule added to the queue(heap)

(R56, 56) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R255, 55) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R59, 59) ----> is the new rule added to the queue(heap)

(R58, 58) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R54, 54) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

(R57, 57) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R53, 53) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule12 *********

 Activated rules in the Agenda Manager are :

(R10,10) , (R210,10) , (R15,15) , (R10,10) , (R35,35) , (R310,10) , (R50,50) ,
(R35,35) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R20,20) , (R210,10) , (R20,20) ,
(R15,15) , (R20,20) , (R210,10) , (R55,55) , (R5,5) , (R3,3) , (R5,5) , (R210,10) ,
(R10,10) , (R310,10) , (R10,10) , (R15,15) , (R15,15) , (R35,35) , (R3,3) , (R50,50)
, (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R20,20) , (R15,15) ,
(R15,15) , (R20,20) , (R5,5) , (R50,50) , (R35,35) , (R210,10) , (R5,5) , (R210,10) ,
(R10,10) , (R50,50) , (R10,10) , (R15,15) , (R3,3) , (R35,35) , (R5,5) , (R50,50) ,
(R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R15,15) , (R15,15) ,
(R15,15) , (R15,15) , (R10,10) , (R55,55) , (R20,20) , (R5,5) , (R210,10) , (R10,10)
, (R50,50) , (R35,35) , (R20,20) , (R15,15) , (R310,10) , (R35,35) , (R15,15) ,
(R210,10) , (R5,5) , (R210,10) , (R10,10) , (R50,50) , (R57,57) , (R55,55) , (R5,5) ,
(R54,54) , (R58,58) , (R255,55) , (R56,56) , (R60,60) , (R210,10) , (R360,60) ,
(R260,60) , (R20,20) , (R35,35) , (R50,50) , (R310,10) , (R10,10) , (R260,60) ,
(R20,20) , (R35,35) , (R50,50) , (R20,20) , (R35,35) , (R55,55) , (R35,35) , (R60,60)
, (R55,55) , (R10,10) , (R20,20) , (R260,60) , (R35,35) , (R360,60) , (R60,60) ,
(R35,35) , (R260,60) , (R60,60) , (R20,20) , (R50,50) , (R20,20) , (R20,20) ,
(R260,60) , (R55,55) , (R59,59) , (R260,60) , (R60,60) , (R260,60) , (R60,60) ,
(R50,50) , (R60,60) , (R60,60) , (R360,60) , (R260,60) , (R360,60) , (R260,60) ,
(R60,60) , (R260,60) , (R360,60) , (R360,60) , (R360,60) , (R53,53) , (R360,60) ,
(R60,60) , (R360,60) , (R60,60) , (R60,60) , (R60,60) , (R275,75) , (R60,60) ,
(R275,75) , (R275,75) , (R260,60) , (R260,60) , (R260,60) , (R275,75) , (R75,75) ,
(R360,60) , (R75,75) , (R275,75) , (R75,75)

Rule which is executed and removed from the heap : R75

===

(R260, 60) ----> is the new rule added to the queue(heap)

(R56, 56) ----> is the new rule added to the queue(heap)

(R59, 59) ----> is the new rule added to the queue(heap)

(R255, 55) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R58, 58) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R54, 54) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R53, 53) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

(R57, 57) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R220, 20) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule13 *********

 Activated rules in the Agenda Manager are :

(R220,20) , (R210,10) , (R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) ,
(R310,10) , (R3,3) , (R5,5) , (R35,35) , (R15,15) , (R55,55) , (R210,10) , (R20,20) ,
(R5,5) , (R53,53) , (R210,10) , (R10,10) , (R210,10) , (R15,15) , (R10,10) , (R35,35)
, (R310,10) , (R50,50) , (R35,35) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R20,20) ,
(R210,10) , (R20,20) , (R15,15) , (R20,20) , (R210,10) , (R55,55) , (R5,5) , (R3,3) ,
(R5,5) , (R210,10) , (R10,10) , (R310,10) , (R10,10) , (R15,15) , (R15,15) , (R35,35)
, (R3,3) , (R50,50) , (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R55,55) ,

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(R20,20) , (R15,15) , (R15,15) , (R20,20) , (R5,5) , (R50,50) , (R35,35) , (R210,10)
, (R5,5) , (R210,10) , (R10,10) , (R50,50) , (R10,10) , (R15,15) , (R3,3) , (R35,35)
, (R5,5) , (R50,50) , (R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R55,55) ,
(R15,15) , (R15,15) , (R15,15) , (R15,15) , (R10,10) , (R55,55) , (R20,20) , (R5,5) ,
(R210,10) , (R10,10) , (R50,50) , (R35,35) , (R20,20) , (R53,53) , (R50,50) ,
(R10,10) , (R35,35) , (R255,55) , (R20,20) , (R56,56) , (R20,20) , (R50,50) ,
(R57,57) , (R55,55) , (R5,5) , (R54,54) , (R58,58) , (R255,55) , (R56,56) , (R60,60)
, (R210,10) , (R360,60) , (R260,60) , (R20,20) , (R35,35) , (R50,50) , (R310,10) ,
(R10,10) , (R260,60) , (R20,20) , (R35,35) , (R50,50) , (R20,20) , (R35,35) ,
(R55,55) , (R35,35) , (R60,60) , (R55,55) , (R10,10) , (R20,20) , (R260,60) ,
(R35,35) , (R360,60) , (R60,60) , (R35,35) , (R260,60) , (R60,60) , (R54,54) ,
(R50,50) , (R58,58) , (R59,59) , (R260,60) , (R55,55) , (R59,59) , (R260,60) ,
(R60,60) , (R260,60) , (R60,60) , (R50,50) , (R60,60) , (R60,60) , (R360,60) ,
(R260,60) , (R360,60) , (R260,60) , (R60,60) , (R260,60) , (R360,60) , (R360,60) ,
(R57,57) , (R260,60) , (R360,60) , (R60,60) , (R360,60) , (R60,60) , (R60,60) ,
(R60,60) , (R275,75) , (R60,60) , (R275,75) , (R360,60) , (R260,60) , (R260,60) ,
(R260,60) , (R275,75) , (R275,75) , (R360,60) , (R75,75) , (R75,75) , (R275,75)

Rule which is executed and removed from the heap : R275



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(R60, 60) ----> is the new rule added to the queue(heap)

(R59, 59) ----> is the new rule added to the queue(heap)

(R58, 58) ----> is the new rule added to the queue(heap)

(R56, 56) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R57, 57) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R255, 55) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R53, 53) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)
```

(R220, 20) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R54, 54) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule14 *********

 Activated rules in the Agenda Manager are :

(R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R310,10) , (R53,53) ,
(R50,50) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R35,35) , (R210,10) , (R20,20) ,
(R10,10) , (R58,58) , (R50,50) , (R220,20) , (R210,10) , (R15,15) , (R10,10) ,
(R15,15) , (R310,10) , (R20,20) , (R310,10) , (R3,3) , (R5,5) , (R35,35) , (R15,15) ,
(R55,55) , (R210,10) , (R20,20) , (R5,5) , (R53,53) , (R210,10) , (R10,10) ,
(R210,10) , (R15,15) , (R10,10) , (R35,35) , (R310,10) , (R50,50) , (R35,35) , (R3,3)
, (R5,5) , (R35,35) , (R5,5) , (R20,20) , (R210,10) , (R20,20) , (R15,15) , (R20,20)
, (R210,10) , (R55,55) , (R5,5) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R310,10)
, (R10,10) , (R15,15) , (R15,15) , (R35,35) , (R3,3) , (R50,50) , (R3,3) , (R3,3) ,
(R5,5) , (R210,10) , (R10,10) , (R55,55) , (R20,20) , (R15,15) , (R15,15) , (R20,20)
, (R5,5) , (R50,50) , (R35,35) , (R210,10) , (R5,5) , (R210,10) , (R10,10) , (R50,50)
, (R10,10) , (R15,15) , (R3,3) , (R35,35) , (R5,5) , (R50,50) , (R210,10) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R55,55) , (R15,15) , (R15,15) , (R35,35) , (R15,15)
, (R220,20) , (R55,55) , (R20,20) , (R255,55) , (R55,55) , (R56,56) , (R59,59) ,
(R35,35) , (R20,20) , (R53,53) , (R50,50) , (R10,10) , (R35,35) , (R255,55) ,
(R20,20) , (R56,56) , (R20,20) , (R50,50) , (R57,57) , (R55,55) , (R5,5) , (R54,54) ,
(R58,58) , (R255,55) , (R56,56) , (R60,60) , (R210,10) , (R360,60) , (R260,60) ,
(R20,20) , (R35,35) , (R50,50) , (R310,10) , (R10,10) , (R260,60) , (R20,20) ,
(R35,35) , (R50,50) , (R20,20) , (R35,35) , (R55,55) , (R35,35) , (R60,60) , (R55,55)
, (R10,10) , (R20,20) , (R260,60) , (R54,54) , (R360,60) , (R60,60) , (R57,57) ,
(R260,60) , (R60,60) , (R54,54) , (R50,50) , (R58,58) , (R59,59) , (R260,60) ,
(R55,55) , (R59,59) , (R260,60) , (R60,60) , (R260,60) , (R60,60) , (R50,50) ,
(R60,60) , (R60,60) , (R360,60) , (R260,60) , (R360,60) , (R260,60) , (R60,60) ,
(R260,60) , (R360,60) , (R60,60) , (R57,57) , (R260,60) , (R360,60) , (R60,60) ,
(R360,60) , (R60,60) , (R60,60) , (R60,60) , (R275,75) , (R60,60) , (R360,60) ,
(R360,60) , (R260,60) , (R260,60) , (R260,60) , (R275,75) , (R275,75) , (R360,60) ,
(R75,75) , (R275,75) , (R75,75)

Rule which is executed and removed from the heap : R75

===

(R90, 90) ----> is the new rule added to the queue(heap)

(R59, 59) ----> is the new rule added to the queue(heap)

(R58, 58) ----> is the new rule added to the queue(heap)

(R56, 56) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R57, 57) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R255, 55) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R53, 53) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

(R220, 20) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R54, 54) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule15 *********

 Activated rules in the Agenda Manager are :

(R50,50) , (R210,10) , (R210,10) , (R10,10) , (R310,10) , (R5,5) , (R10,10) , (R5,5)
, (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) , (R55,55) , (R20,20) , (R15,15) ,
(R58,58) , (R15,15) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R10,10) ,
(R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R35,35) ,
(R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50) , (R220,20) , (R210,10) ,
(R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) , (R310,10) , (R3,3) , (R5,5) ,
(R35,35) , (R15,15) , (R55,55) , (R210,10) , (R20,20) , (R5,5) , (R15,15) , (R210,10)
, (R10,10) , (R210,10) , (R15,15) , (R10,10) , (R35,35) , (R310,10) , (R50,50) ,
(R35,35) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R20,20) , (R210,10) , (R20,20) ,
(R15,15) , (R20,20) , (R210,10) , (R55,55) , (R5,5) , (R3,3) , (R5,5) , (R210,10) ,
(R10,10) , (R310,10) , (R10,10) , (R15,15) , (R15,15) , (R35,35) , (R3,3) , (R50,50)

, (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R20,20) , (R15,15) ,
(R15,15) , (R20,20) , (R5,5) , (R50,50) , (R35,35) , (R210,10) , (R5,5) , (R210,10) ,
(R10,10) , (R50,50) , (R10,10) , (R15,15) , (R3,3) , (R35,35) , (R5,5) , (R54,54) ,
(R15,15) , (R220,20) , (R50,50) , (R210,10) , (R35,35) , (R57,57) , (R56,56) ,
(R59,59) , (R54,54) , (R15,15) , (R220,20) , (R55,55) , (R20,20) , (R255,55) ,
(R55,55) , (R56,56) , (R59,59) , (R35,35) , (R20,20) , (R53,53) , (R50,50) , (R10,10)
, (R35,35) , (R255,55) , (R20,20) , (R53,53) , (R20,20) , (R50,50) , (R57,57) ,
(R55,55) , (R5,5) , (R54,54) , (R58,58) , (R255,55) , (R56,56) , (R60,60) , (R210,10)
, (R360,60) , (R260,60) , (R20,20) , (R35,35) , (R50,50) , (R310,10) , (R10,10) ,
(R260,60) , (R20,20) , (R35,35) , (R50,50) , (R20,20) , (R35,35) , (R55,55) ,
(R35,35) , (R60,60) , (R55,55) , (R53,53) , (R255,55) , (R260,60) , (R260,60) ,
(R360,60) , (R60,60) , (R57,57) , (R260,60) , (R60,60) , (R54,54) , (R50,50) ,
(R58,58) , (R56,56) , (R260,60) , (R55,55) , (R59,59) , (R260,60) , (R60,60) ,
(R260,60) , (R60,60) , (R50,50) , (R60,60) , (R60,60) , (R360,60) , (R260,60) ,
(R360,60) , (R260,60) , (R60,60) , (R60,60) , (R360,60) , (R60,60) , (R57,57) ,
(R59,59) , (R360,60) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R60,60) ,
(R275,75) , (R275,75) , (R360,60) , (R260,60) , (R260,60) , (R260,60) , (R260,60) ,
(R75,75) , (R360,60) , (R360,60) , (R275,75) , (R275,75) , (R90,90)

Rule which is executed and removed from the heap : R90

===

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule16 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R15,15) , (R5,5) , (R3,3) , (R10,10) , (R35,35) , (R35,35) , (R5,5) ,
(R15,15) , (R210,10) , (R210,10) , (R10,10) , (R310,10) , (R5,5) , (R10,10) , (R5,5)
, (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) , (R55,55) , (R20,20) , (R15,15) ,

```
(R58,58) , (R15,15) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R10,10) ,
(R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R35,35) ,
(R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50) , (R220,20) , (R210,10) ,
(R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) , (R310,10) , (R3,3) , (R5,5) ,
(R35,35) , (R15,15) , (R55,55) , (R210,10) , (R20,20) , (R5,5) , (R15,15) , (R210,10)
, (R10,10) , (R210,10) , (R15,15) , (R10,10) , (R35,35) , (R310,10) , (R50,50) ,
(R35,35) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R20,20) , (R210,10) , (R20,20) ,
(R15,15) , (R20,20) , (R210,10) , (R55,55) , (R5,5) , (R3,3) , (R5,5) , (R210,10) ,
(R10,10) , (R310,10) , (R10,10) , (R15,15) , (R15,15) , (R35,35) , (R3,3) , (R50,50)
, (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R20,20) , (R15,15) ,
(R15,15) , (R20,20) , (R5,5) , (R50,50) , (R35,35) , (R210,10) , (R5,5) , (R210,10) ,
(R10,10) , (R50,50) , (R10,10) , (R35,35) , (R210,10) , (R260,60) , (R60,60) ,
(R54,54) , (R15,15) , (R220,20) , (R50,50) , (R210,10) , (R35,35) , (R57,57) ,
(R56,56) , (R59,59) , (R54,54) , (R15,15) , (R220,20) , (R55,55) , (R20,20) ,
(R255,55) , (R55,55) , (R56,56) , (R59,59) , (R35,35) , (R20,20) , (R53,53) ,
(R50,50) , (R10,10) , (R35,35) , (R255,55) , (R20,20) , (R53,53) , (R20,20) ,
(R50,50) , (R57,57) , (R55,55) , (R5,5) , (R54,54) , (R58,58) , (R255,55) , (R56,56)
, (R60,60) , (R210,10) , (R360,60) , (R260,60) , (R20,20) , (R35,35) , (R50,50) ,
(R310,10) , (R10,10) , (R260,60) , (R20,20) , (R35,35) , (R50,50) , (R20,20) ,
(R35,35) , (R55,55) , (R50,50) , (R60,60) , (R55,55) , (R53,53) , (R255,55) ,
(R260,60) , (R260,60) , (R360,60) , (R60,60) , (R57,57) , (R260,60) , (R60,60) ,
(R54,54) , (R50,50) , (R58,58) , (R56,56) , (R260,60) , (R55,55) , (R59,59) ,
(R260,60) , (R60,60) , (R260,60) , (R50,50) , (R50,50) , (R60,60) , (R60,60) ,
(R360,60) , (R260,60) , (R360,60) , (R260,60) , (R60,60) , (R60,60) , (R360,60) ,
(R60,60) , (R57,57) , (R59,59) , (R360,60) , (R60,60) , (R360,60) , (R60,60) ,
(R60,60) , (R60,60) , (R275,75) , (R275,75) , (R360,60) , (R260,60) , (R260,60) ,
(R60,60) , (R260,60) , (R75,75) , (R360,60) , (R260,60) , (R275,75) , (R360,60) ,
(R275,75)

Rule which is executed and removed from the heap : R275
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(R80, 80) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R275, 75) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)
```

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule17 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R10,10) ,
(R35,35) , (R15,15) , (R55,55) , (R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) ,
(R10,10) , (R35,35) , (R35,35) , (R5,5) , (R15,15) , (R210,10) , (R210,10) , (R10,10)
, (R310,10) , (R5,5) , (R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) ,
(R55,55) , (R55,55) , (R20,20) , (R15,15) , (R58,58) , (R15,15) , (R35,35) ,
(R210,10) , (R15,15) , (R10,10) , (R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3)
, (R5,5) , (R35,35) , (R5,5) , (R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58)
, (R50,50) , (R220,20) , (R210,10) , (R15,15) , (R10,10) , (R15,15) , (R310,10) ,
(R20,20) , (R310,10) , (R3,3) , (R5,5) , (R35,35) , (R15,15) , (R55,55) , (R210,10) ,
(R20,20) , (R5,5) , (R15,15) , (R210,10) , (R10,10) , (R210,10) , (R15,15) , (R10,10)
, (R35,35) , (R310,10) , (R50,50) , (R35,35) , (R3,3) , (R5,5) , (R35,35) , (R5,5) ,
(R20,20) , (R210,10) , (R20,20) , (R15,15) , (R20,20) , (R210,10) , (R55,55) , (R5,5)
, (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R310,10) , (R10,10) , (R15,15) , (R15,15)
, (R35,35) , (R3,3) , (R50,50) , (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) ,
(R55,55) , (R20,20) , (R15,15) , (R15,15) , (R20,20) , (R5,5) , (R50,50) , (R35,35) ,
(R50,50) , (R20,20) , (R210,10) , (R260,60) , (R50,50) , (R360,60) , (R50,50) ,
(R210,10) , (R260,60) , (R60,60) , (R54,54) , (R15,15) , (R220,20) , (R50,50) ,
(R210,10) , (R35,35) , (R57,57) , (R56,56) , (R59,59) , (R54,54) , (R15,15) ,
(R220,20) , (R55,55) , (R20,20) , (R255,55) , (R55,55) , (R56,56) , (R59,59) ,
(R35,35) , (R20,20) , (R53,53) , (R50,50) , (R10,10) , (R35,35) , (R255,55) ,
(R20,20) , (R53,53) , (R20,20) , (R50,50) , (R57,57) , (R55,55) , (R5,5) , (R54,54) ,
(R58,58) , (R255,55) , (R56,56) , (R60,60) , (R210,10) , (R360,60) , (R260,60) ,
(R20,20) , (R35,35) , (R50,50) , (R310,10) , (R10,10) , (R260,60) , (R20,20) ,
(R35,35) , (R50,50) , (R55,55) , (R60,60) , (R260,60) , (R360,60) , (R60,60) ,
(R55,55) , (R53,53) , (R255,55) , (R260,60) , (R260,60) , (R20,20) , (R60,60) ,
(R57,57) , (R260,60) , (R60,60) , (R54,54) , (R50,50) , (R58,58) , (R56,56) ,
(R260,60) , (R55,55) , (R59,59) , (R260,60) , (R60,60) , (R260,60) , (R50,50) ,
(R50,50) , (R60,60) , (R60,60) , (R360,60) , (R60,60) , (R275,75) , (R260,60) ,
(R60,60) , (R360,60) , (R360,60) , (R60,60) , (R57,57) , (R59,59) , (R360,60) ,
(R60,60) , (R360,60) , (R60,60) , (R60,60) , (R260,60) , (R275,75) , (R60,60) ,
(R360,60) , (R260,60) , (R260,60) , (R60,60) , (R275,75) , (R75,75) , (R360,60) ,
(R260,60) , (R275,75) , (R360,60) , (R80,80)

Rule which is executed and removed from the heap : R80

==

(R275, 75) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule18 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R15,15) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R5,5) ,
(R35,35) , (R15,15) , (R50,50) , (R35,35) , (R50,50) , (R210,10) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R35,35) , (R10,10) , (R35,35) , (R15,15) , (R55,55) ,
(R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) , (R10,10) , (R35,35) , (R20,20) ,
(R5,5) , (R15,15) , (R210,10) , (R210,10) , (R10,10) , (R310,10) , (R5,5) , (R10,10)
, (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) , (R55,55) , (R20,20) ,
(R15,15) , (R58,58) , (R15,15) , (R35,35) , (R210,10) , (R15,15) , (R10,10) ,
(R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) , (R35,35) , (R5,5) ,
(R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50) , (R220,20) ,
(R210,10) , (R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) , (R310,10) ,
(R3,3) , (R5,5) , (R35,35) , (R15,15) , (R55,55) , (R210,10) , (R20,20) , (R5,5) ,
(R15,15) , (R210,10) , (R10,10) , (R210,10) , (R15,15) , (R10,10) , (R35,35) ,
(R310,10) , (R50,50) , (R35,35) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R20,20) ,
(R210,10) , (R20,20) , (R15,15) , (R20,20) , (R210,10) , (R55,55) , (R5,5) , (R3,3) ,
(R5,5) , (R210,10) , (R10,10) , (R310,10) , (R10,10) , (R15,15) , (R15,15) , (R35,35)
, (R3,3) , (R50,50) , (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R55,55) ,
(R20,20) , (R20,20) , (R20,20) , (R20,20) , (R55,55) , (R50,50) , (R60,60) , (R55,55)
, (R20,20) , (R210,10) , (R260,60) , (R50,50) , (R360,60) , (R50,50) , (R210,10) ,
(R260,60) , (R35,35) , (R54,54) , (R15,15) , (R220,20) , (R50,50) , (R210,10) ,

(R35,35) , (R57,57) , (R56,56) , (R59,59) , (R54,54) , (R15,15) , (R220,20) ,
(R55,55) , (R20,20) , (R255,55) , (R55,55) , (R56,56) , (R59,59) , (R35,35) ,
(R20,20) , (R53,53) , (R50,50) , (R10,10) , (R35,35) , (R255,55) , (R20,20) ,
(R53,53) , (R20,20) , (R50,50) , (R57,57) , (R55,55) , (R5,5) , (R54,54) , (R58,58) ,
(R255,55) , (R56,56) , (R60,60) , (R210,10) , (R360,60) , (R260,60) , (R20,20) ,
(R35,35) , (R50,50) , (R310,10) , (R10,10) , (R260,60) , (R50,50) , (R260,60) ,
(R360,60) , (R360,60) , (R60,60) , (R260,60) , (R360,60) , (R60,60) , (R55,55) ,
(R53,53) , (R255,55) , (R260,60) , (R260,60) , (R20,20) , (R60,60) , (R57,57) ,
(R260,60) , (R60,60) , (R54,54) , (R50,50) , (R58,58) , (R56,56) , (R260,60) ,
(R55,55) , (R59,59) , (R260,60) , (R60,60) , (R260,60) , (R50,50) , (R50,50) ,
(R60,60) , (R60,60) , (R260,60) , (R60,60) , (R60,60) , (R260,60) , (R60,60) ,
(R360,60) , (R360,60) , (R60,60) , (R57,57) , (R59,59) , (R360,60) , (R60,60) ,
(R360,60) , (R60,60) , (R60,60) , (R275,75) , (R275,75) , (R60,60) , (R360,60) ,
(R260,60) , (R260,60) , (R60,60) , (R275,75) , (R275,75) , (R360,60) , (R260,60) ,
(R75,75) , (R360,60) , (R275,75)

Rule which is executed and removed from the heap : R275

==

(R360, 60) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule19 *********

Activated rules in the Agenda Manager are :

(R310,10) , (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R10,10) , (R10,10) ,
(R20,20) , (R15,15) , (R35,35) , (R20,20) , (R20,20) , (R15,15) , (R15,15) , (R5,5) ,
(R210,10) , (R10,10) , (R35,35) , (R5,5) , (R35,35) , (R15,15) , (R50,50) , (R35,35)
, (R50,50) , (R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R10,10)
, (R35,35) , (R15,15) , (R55,55) , (R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) ,
(R10,10) , (R35,35) , (R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) , (R10,10) ,
(R310,10) , (R5,5) , (R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) ,
(R55,55) , (R55,55) , (R20,20) , (R15,15) , (R58,58) , (R15,15) , (R35,35) ,
(R210,10) , (R15,15) , (R10,10) , (R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3)
, (R5,5) , (R35,35) , (R5,5) , (R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58)
, (R50,50) , (R220,20) , (R210,10) , (R15,15) , (R10,10) , (R15,15) , (R310,10) ,
(R20,20) , (R310,10) , (R3,3) , (R5,5) , (R35,35) , (R15,15) , (R55,55) , (R210,10) ,
(R20,20) , (R5,5) , (R15,15) , (R210,10) , (R10,10) , (R210,10) , (R15,15) , (R10,10)
, (R35,35) , (R310,10) , (R50,50) , (R35,35) , (R3,3) , (R5,5) , (R35,35) , (R5,5) ,
(R20,20) , (R210,10) , (R20,20) , (R15,15) , (R20,20) , (R210,10) , (R55,55) , (R5,5)
, (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R310,10) , (R10,10) , (R15,15) , (R15,15)
, (R35,35) , (R3,3) , (R50,50) , (R3,3) , (R310,10) , (R5,5) , (R210,10) , (R55,55) ,
(R55,55) , (R60,60) , (R50,50) , (R20,20) , (R20,20) , (R55,55) , (R50,50) , (R60,60)
, (R55,55) , (R20,20) , (R210,10) , (R260,60) , (R50,50) , (R360,60) , (R50,50) ,
(R210,10) , (R260,60) , (R35,35) , (R15,15) , (R15,15) , (R220,20) , (R50,50) ,
(R210,10) , (R35,35) , (R57,57) , (R56,56) , (R59,59) , (R54,54) , (R15,15) ,
(R220,20) , (R55,55) , (R20,20) , (R255,55) , (R55,55) , (R56,56) , (R59,59) ,
(R35,35) , (R20,20) , (R53,53) , (R50,50) , (R10,10) , (R35,35) , (R255,55) ,
(R20,20) , (R53,53) , (R20,20) , (R50,50) , (R57,57) , (R55,55) , (R5,5) , (R54,54) ,
(R58,58) , (R255,55) , (R56,56) , (R60,60) , (R210,10) , (R360,60) , (R260,60) ,
(R20,20) , (R35,35) , (R50,50) , (R50,50) , (R260,60) , (R260,60) , (R360,60) ,
(R260,60) , (R360,60) , (R360,60) , (R60,60) , (R260,60) , (R360,60) , (R60,60) ,
(R54,54) , (R53,53) , (R255,55) , (R260,60) , (R260,60) , (R20,20) , (R60,60) ,
(R57,57) , (R260,60) , (R60,60) , (R54,54) , (R50,50) , (R58,58) , (R56,56) ,
(R260,60) , (R55,55) , (R59,59) , (R260,60) , (R60,60) , (R260,60) , (R50,50) ,
(R50,50) , (R60,60) , (R60,60) , (R260,60) , (R60,60) , (R60,60) , (R55,55) ,
(R60,60) , (R360,60) , (R360,60) , (R60,60) , (R57,57) , (R59,59) , (R360,60) ,
(R60,60) , (R360,60) , (R60,60) , (R60,60) , (R275,75) , (R260,60) , (R60,60) ,
(R360,60) , (R260,60) , (R260,60) , (R60,60) , (R275,75) , (R275,75) , (R360,60) ,
(R260,60) , (R275,75) , (R360,60) , (R75,75)

Rule which is executed and removed from the heap : R75

==

(R95, 95) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule20 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R15,15) , (R35,35) , (R3,3) , (R310,10) , (R3,3) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R10,10) , (R10,10) , (R20,20) , (R15,15) , (R35,35) ,
(R20,20) , (R20,20) , (R15,15) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R35,35)
, (R5,5) , (R35,35) , (R15,15) , (R50,50) , (R35,35) , (R50,50) , (R210,10) , (R5,5)
, (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R10,10) , (R35,35) , (R15,15) ,
(R55,55) , (R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) , (R10,10) , (R35,35) ,
(R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) , (R10,10) , (R310,10) , (R5,5) ,
(R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) , (R55,55) ,
(R20,20) , (R15,15) , (R310,10) , (R15,15) , (R35,35) , (R210,10) , (R15,15) ,
(R10,10) , (R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) , (R35,35) ,
(R5,5) , (R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50) , (R220,20)
, (R210,10) , (R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) , (R310,10) ,
(R3,3) , (R5,5) , (R35,35) , (R15,15) , (R55,55) , (R210,10) , (R20,20) , (R5,5) ,
(R15,15) , (R210,10) , (R10,10) , (R210,10) , (R15,15) , (R10,10) , (R35,35) ,
(R310,10) , (R50,50) , (R35,35) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R20,20) ,
(R210,10) , (R20,20) , (R15,15) , (R20,20) , (R210,10) , (R55,55) , (R5,5) , (R3,3) ,
(R5,5) , (R210,10) , (R10,10) , (R310,10) , (R10,10) , (R15,15) , (R15,15) , (R35,35)
, (R3,3) , (R50,50) , (R50,50) , (R50,50) , (R5,5) , (R210,10) , (R55,55) , (R55,55)
, (R60,60) , (R50,50) , (R20,20) , (R20,20) , (R55,55) , (R50,50) , (R60,60) ,
(R55,55) , (R20,20) , (R210,10) , (R260,60) , (R50,50) , (R360,60) , (R50,50) ,
(R210,10) , (R260,60) , (R35,35) , (R15,15) , (R15,15) , (R220,20) , (R50,50) ,
(R210,10) , (R35,35) , (R57,57) , (R56,56) , (R58,58) , (R54,54) , (R15,15) ,
(R220,20) , (R55,55) , (R20,20) , (R255,55) , (R55,55) , (R56,56) , (R59,59) ,
(R35,35) , (R20,20) , (R53,53) , (R50,50) , (R10,10) , (R35,35) , (R255,55) ,
(R20,20) , (R53,53) , (R20,20) , (R50,50) , (R57,57) , (R55,55) , (R5,5) , (R54,54) ,
(R58,58) , (R255,55) , (R56,56) , (R60,60) , (R210,10) , (R360,60) , (R260,60) ,
(R20,20) , (R35,35) , (R60,60) , (R50,50) , (R260,60) , (R260,60) , (R360,60) ,
(R260,60) , (R360,60) , (R360,60) , (R60,60) , (R260,60) , (R360,60) , (R60,60) ,
(R54,54) , (R53,53) , (R255,55) , (R260,60) , (R59,59) , (R20,20) , (R60,60) ,
(R57,57) , (R260,60) , (R60,60) , (R54,54) , (R50,50) , (R58,58) , (R56,56) ,
(R260,60) , (R55,55) , (R59,59) , (R260,60) , (R60,60) , (R260,60) , (R50,50) ,
(R60,60) , (R60,60) , (R60,60) , (R260,60) , (R60,60) , (R60,60) , (R55,55) ,
(R60,60) , (R260,60) , (R360,60) , (R60,60) , (R57,57) , (R59,59) , (R360,60) ,
(R60,60) , (R360,60) , (R60,60) , (R60,60) , (R275,75) , (R260,60) , (R360,60) ,
(R360,60) , (R260,60) , (R260,60) , (R260,60) , (R275,75) , (R60,60) , (R360,60) ,
(R360,60) , (R275,75) , (R275,75) , (R95,95)

Rule which is executed and removed from the heap : R95

==

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule21 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R35,35) , (R3,3) ,
(R15,15) , (R15,15) , (R20,20) , (R3,3) , (R310,10) , (R3,3) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R10,10) , (R10,10) , (R20,20) , (R15,15) , (R35,35) ,
(R20,20) , (R20,20) , (R15,15) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R35,35)
, (R5,5) , (R35,35) , (R15,15) , (R50,50) , (R35,35) , (R50,50) , (R210,10) , (R5,5)
, (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R10,10) , (R35,35) , (R15,15) ,
(R55,55) , (R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) , (R10,10) , (R35,35) ,
(R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) , (R10,10) , (R310,10) , (R5,5) ,
(R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) , (R55,55) ,
(R20,20) , (R15,15) , (R310,10) , (R15,15) , (R35,35) , (R210,10) , (R15,15) ,
(R10,10) , (R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) , (R35,35) ,
(R5,5) , (R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50) , (R220,20)
, (R210,10) , (R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) , (R310,10) ,
(R3,3) , (R5,5) , (R35,35) , (R15,15) , (R55,55) , (R210,10) , (R20,20) , (R5,5) ,
(R15,15) , (R210,10) , (R10,10) , (R210,10) , (R15,15) , (R10,10) , (R35,35) ,
(R310,10) , (R50,50) , (R35,35) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R20,20) ,
(R210,10) , (R20,20) , (R15,15) , (R20,20) , (R210,10) , (R55,55) , (R5,5) , (R3,3) ,
(R5,5) , (R210,10) , (R10,10) , (R310,10) , (R10,10) , (R20,20) , (R15,15) , (R50,50)
, (R35,35) , (R50,50) , (R35,35) , (R50,50) , (R5,5) , (R210,10) , (R55,55) ,
(R55,55) , (R60,60) , (R50,50) , (R20,20) , (R20,20) , (R55,55) , (R50,50) , (R60,60)
, (R55,55) , (R20,20) , (R210,10) , (R260,60) , (R50,50) , (R360,60) , (R50,50) ,
(R210,10) , (R260,60) , (R35,35) , (R15,15) , (R15,15) , (R220,20) , (R50,50) ,
(R210,10) , (R35,35) , (R57,57) , (R56,56) , (R58,58) , (R54,54) , (R15,15) ,
(R220,20) , (R55,55) , (R20,20) , (R255,55) , (R55,55) , (R56,56) , (R59,59) ,
(R35,35) , (R20,20) , (R53,53) , (R50,50) , (R10,10) , (R35,35) , (R255,55) ,
(R20,20) , (R53,53) , (R20,20) , (R50,50) , (R57,57) , (R55,55) , (R5,5) , (R54,54) ,
(R58,58) , (R255,55) , (R56,56) , (R60,60) , (R210,10) , (R360,60) , (R260,60) ,
(R50,50) , (R260,60) , (R50,50) , (R50,50) , (R260,60) , (R260,60) , (R360,60) ,
(R260,60) , (R360,60) , (R360,60) , (R60,60) , (R260,60) , (R360,60) , (R60,60) ,
(R54,54) , (R53,53) , (R255,55) , (R260,60) , (R59,59) , (R20,20) , (R60,60) ,

(R57,57) , (R260,60) , (R60,60) , (R54,54) , (R50,50) , (R58,58) , (R56,56) ,
(R260,60) , (R55,55) , (R59,59) , (R260,60) , (R60,60) , (R260,60) , (R60,60) ,
(R60,60) , (R60,60) , (R60,60) , (R260,60) , (R60,60) , (R60,60) , (R55,55) ,
(R60,60) , (R260,60) , (R360,60) , (R60,60) , (R57,57) , (R59,59) , (R360,60) ,
(R60,60) , (R360,60) , (R60,60) , (R60,60) , (R275,75) , (R260,60) , (R360,60) ,
(R360,60) , (R260,60) , (R260,60) , (R60,60) , (R275,75) , (R60,60) , (R360,60) ,
(R260,60) , (R275,75) , (R360,60) , (R275,75)

Rule which is executed and removed from the heap : R275

==

(R80, 80) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R275, 75) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule22 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R3,3) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R10,10) ,
(R15,15) , (R310,10) , (R360,60) , (R10,10) , (R20,20) , (R15,15) , (R5,5) ,
(R210,10) , (R10,10) , (R35,35) , (R35,35) , (R3,3) , (R15,15) , (R15,15) , (R20,20)
, (R3,3) , (R310,10) , (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R10,10) ,
(R10,10) , (R20,20) , (R15,15) , (R35,35) , (R20,20) , (R20,20) , (R15,15) , (R15,15)
, (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R5,5) , (R35,35) , (R15,15) , (R50,50)

, (R35,35) , (R50,50) , (R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35)
, (R10,10) , (R35,35) , (R15,15) , (R20,20) , (R10,10) , (R35,35) , (R15,15) , (R5,5)
, (R3,3) , (R10,10) , (R35,35) , (R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) ,
(R10,10) , (R310,10) , (R5,5) , (R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) ,
(R10,10) , (R55,55) , (R55,55) , (R20,20) , (R15,15) , (R310,10) , (R15,15) ,
(R35,35) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R310,10) , (R53,53) ,
(R50,50) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R35,35) , (R210,10) , (R20,20) ,
(R10,10) , (R58,58) , (R50,50) , (R220,20) , (R210,10) , (R15,15) , (R10,10) ,
(R15,15) , (R310,10) , (R20,20) , (R310,10) , (R3,3) , (R5,5) , (R35,35) , (R15,15) ,
(R55,55) , (R210,10) , (R20,20) , (R5,5) , (R15,15) , (R210,10) , (R10,10) ,
(R210,10) , (R15,15) , (R10,10) , (R35,35) , (R310,10) , (R50,50) , (R35,35) , (R3,3)
, (R5,5) , (R35,35) , (R5,5) , (R20,20) , (R210,10) , (R20,20) , (R15,15) , (R20,20)
, (R210,10) , (R55,55) , (R5,5) , (R50,50) , (R210,10) , (R210,10) , (R60,60) ,
(R35,35) , (R260,60) , (R50,50) , (R15,15) , (R50,50) , (R35,35) , (R50,50) ,
(R35,35) , (R50,50) , (R5,5) , (R210,10) , (R55,55) , (R55,55) , (R60,60) , (R50,50)
, (R20,20) , (R20,20) , (R55,55) , (R50,50) , (R60,60) , (R55,55) , (R20,20) ,
(R210,10) , (R260,60) , (R50,50) , (R55,55) , (R50,50) , (R210,10) , (R260,60) ,
(R35,35) , (R15,15) , (R15,15) , (R220,20) , (R50,50) , (R210,10) , (R35,35) ,
(R57,57) , (R56,56) , (R58,58) , (R54,54) , (R15,15) , (R220,20) , (R55,55) ,
(R20,20) , (R255,55) , (R55,55) , (R56,56) , (R59,59) , (R35,35) , (R20,20) ,
(R53,53) , (R50,50) , (R10,10) , (R35,35) , (R255,55) , (R20,20) , (R53,53) ,
(R20,20) , (R50,50) , (R57,57) , (R55,55) , (R5,5) , (R54,54) , (R58,58) , (R255,55)
, (R56,56) , (R60,60) , (R55,55) , (R360,60) , (R260,60) , (R60,60) , (R260,60) ,
(R50,50) , (R50,50) , (R260,60) , (R260,60) , (R360,60) , (R260,60) , (R360,60) ,
(R360,60) , (R60,60) , (R360,60) , (R360,60) , (R60,60) , (R54,54) , (R53,53) ,
(R255,55) , (R260,60) , (R59,59) , (R20,20) , (R60,60) , (R57,57) , (R260,60) ,
(R60,60) , (R54,54) , (R50,50) , (R58,58) , (R56,56) , (R260,60) , (R55,55) ,
(R59,59) , (R260,60) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R60,60) ,
(R60,60) , (R260,60) , (R260,60) , (R60,60) , (R55,55) , (R60,60) , (R260,60) ,
(R360,60) , (R60,60) , (R57,57) , (R59,59) , (R360,60) , (R60,60) , (R260,60) ,
(R60,60) , (R60,60) , (R60,60) , (R260,60) , (R360,60) , (R360,60) , (R260,60) ,
(R260,60) , (R360,60) , (R275,75) , (R60,60) , (R360,60) , (R275,75) , (R275,75) ,
(R275,75) , (R80,80)

Rule which is executed and removed from the heap : R80

==

(R275, 75) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule23 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R20,20) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R210,10) ,
(R35,35) , (R15,15) , (R60,60) , (R5,5) , (R50,50) , (R3,3) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R260,60) , (R10,10) , (R15,15) , (R310,10) , (R360,60) ,
(R10,10) , (R20,20) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R35,35)
, (R3,3) , (R15,15) , (R15,15) , (R20,20) , (R3,3) , (R310,10) , (R3,3) , (R3,3) ,
(R5,5) , (R210,10) , (R10,10) , (R10,10) , (R10,10) , (R20,20) , (R15,15) , (R35,35)
, (R20,20) , (R20,20) , (R15,15) , (R15,15) , (R5,5) , (R210,10) , (R10,10) ,
(R35,35) , (R5,5) , (R35,35) , (R15,15) , (R50,50) , (R35,35) , (R50,50) , (R210,10)
, (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R10,10) , (R35,35) , (R15,15)
, (R20,20) , (R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) , (R10,10) , (R35,35) ,
(R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) , (R10,10) , (R310,10) , (R5,5) ,
(R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) , (R55,55) ,
(R20,20) , (R15,15) , (R310,10) , (R15,15) , (R35,35) , (R210,10) , (R15,15) ,
(R10,10) , (R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) , (R35,35) ,
(R5,5) , (R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50) , (R220,20)
, (R210,10) , (R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) , (R310,10) ,
(R3,3) , (R5,5) , (R35,35) , (R15,15) , (R55,55) , (R210,10) , (R20,20) , (R5,5) ,
(R15,15) , (R210,10) , (R10,10) , (R210,10) , (R15,15) , (R10,10) , (R35,35) ,
(R310,10) , (R50,50) , (R35,35) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R20,20) ,
(R210,10) , (R50,50) , (R20,20) , (R20,20) , (R56,56) , (R55,55) , (R360,60) ,
(R55,55) , (R210,10) , (R210,10) , (R60,60) , (R35,35) , (R260,60) , (R50,50) ,
(R15,15) , (R50,50) , (R35,35) , (R50,50) , (R35,35) , (R20,20) , (R5,5) , (R210,10)
, (R55,55) , (R55,55) , (R60,60) , (R50,50) , (R20,20) , (R20,20) , (R55,55) ,
(R50,50) , (R60,60) , (R55,55) , (R20,20) , (R210,10) , (R260,60) , (R50,50) ,
(R55,55) , (R50,50) , (R210,10) , (R260,60) , (R35,35) , (R15,15) , (R15,15) ,
(R220,20) , (R50,50) , (R210,10) , (R35,35) , (R57,57) , (R56,56) , (R58,58) ,
(R54,54) , (R15,15) , (R220,20) , (R55,55) , (R20,20) , (R255,55) , (R55,55) ,
(R56,56) , (R59,59) , (R35,35) , (R20,20) , (R53,53) , (R50,50) , (R10,10) , (R35,35)
, (R255,55) , (R20,20) , (R53,53) , (R20,20) , (R50,50) , (R57,57) , (R55,55) ,
(R5,5) , (R54,54) , (R58,58) , (R255,55) , (R260,60) , (R60,60) , (R60,60) ,
(R360,60) , (R260,60) , (R60,60) , (R260,60) , (R50,50) , (R50,50) , (R260,60) ,
(R260,60) , (R360,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) , (R360,60) ,
(R360,60) , (R60,60) , (R54,54) , (R53,53) , (R255,55) , (R260,60) , (R59,59) ,

(R20,20) , (R60,60) , (R57,57) , (R260,60) , (R60,60) , (R54,54) , (R50,50) ,
(R58,58) , (R56,56) , (R260,60) , (R55,55) , (R59,59) , (R260,60) , (R260,60) ,
(R360,60) , (R60,60) , (R50,50) , (R60,60) , (R60,60) , (R260,60) , (R260,60) ,
(R60,60) , (R55,55) , (R60,60) , (R260,60) , (R360,60) , (R60,60) , (R57,57) ,
(R59,59) , (R360,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) ,
(R260,60) , (R360,60) , (R360,60) , (R260,60) , (R260,60) , (R360,60) , (R275,75) ,
(R60,60) , (R360,60) , (R275,75) , (R275,75) , (R275,75) , (R275,75)

Rule which is executed and removed from the heap : R275

==

(R360, 60) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule24 *********

 Activated rules in the Agenda Manager are :

(R5,5) , (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R54,54) , (R5,5) ,
(R20,20) , (R15,15) , (R35,35) , (R210,10) , (R50,50) , (R20,20) , (R15,15) , (R5,5)
, (R210,10) , (R10,10) , (R55,55) , (R210,10) , (R35,35) , (R15,15) , (R60,60) ,
(R5,5) , (R50,50) , (R3,3) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R260,60) ,
(R10,10) , (R15,15) , (R310,10) , (R360,60) , (R10,10) , (R20,20) , (R15,15) , (R5,5)
, (R210,10) , (R10,10) , (R3,3) , (R35,35) , (R3,3) , (R15,15) , (R15,15) , (R20,20)

, (R3,3) , (R310,10) , (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R10,10) ,
(R10,10) , (R20,20) , (R15,15) , (R35,35) , (R20,20) , (R20,20) , (R15,15) , (R15,15)
, (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R5,5) , (R35,35) , (R15,15) , (R50,50)
, (R35,35) , (R50,50) , (R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35)
, (R10,10) , (R35,35) , (R15,15) , (R20,20) , (R10,10) , (R35,35) , (R15,15) , (R5,5)
, (R3,3) , (R10,10) , (R35,35) , (R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) ,
(R10,10) , (R310,10) , (R5,5) , (R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) ,
(R10,10) , (R55,55) , (R55,55) , (R20,20) , (R15,15) , (R310,10) , (R15,15) ,
(R35,35) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R310,10) , (R53,53) ,
(R50,50) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R35,35) , (R210,10) , (R20,20) ,
(R10,10) , (R58,58) , (R50,50) , (R220,20) , (R210,10) , (R15,15) , (R10,10) ,
(R15,15) , (R310,10) , (R20,20) , (R310,10) , (R3,3) , (R5,5) , (R35,35) , (R15,15) ,
(R55,55) , (R210,10) , (R20,20) , (R5,5) , (R15,15) , (R210,10) , (R10,10) ,
(R210,10) , (R15,15) , (R10,10) , (R35,35) , (R310,10) , (R50,50) , (R35,35) ,
(R310,10) , (R5,5) , (R35,35) , (R55,55) , (R20,20) , (R58,58) , (R255,55) , (R20,20)
, (R20,20) , (R56,56) , (R55,55) , (R360,60) , (R55,55) , (R210,10) , (R210,10) ,
(R60,60) , (R35,35) , (R260,60) , (R50,50) , (R15,15) , (R35,35) , (R35,35) ,
(R50,50) , (R35,35) , (R20,20) , (R5,5) , (R210,10) , (R55,55) , (R55,55) , (R60,60)
, (R50,50) , (R20,20) , (R20,20) , (R55,55) , (R50,50) , (R60,60) , (R55,55) ,
(R20,20) , (R210,10) , (R260,60) , (R50,50) , (R55,55) , (R50,50) , (R210,10) ,
(R260,60) , (R35,35) , (R15,15) , (R15,15) , (R220,20) , (R50,50) , (R210,10) ,
(R35,35) , (R57,57) , (R56,56) , (R58,58) , (R54,54) , (R15,15) , (R220,20) ,
(R55,55) , (R20,20) , (R255,55) , (R55,55) , (R56,56) , (R59,59) , (R35,35) ,
(R20,20) , (R53,53) , (R50,50) , (R10,10) , (R35,35) , (R255,55) , (R20,20) ,
(R53,53) , (R20,20) , (R50,50) , (R57,57) , (R55,55) , (R50,50) , (R260,60) ,
(R59,59) , (R360,60) , (R260,60) , (R60,60) , (R60,60) , (R360,60) , (R260,60) ,
(R60,60) , (R50,50) , (R50,50) , (R50,50) , (R260,60) , (R260,60) , (R360,60) ,
(R260,60) , (R360,60) , (R360,60) , (R60,60) , (R360,60) , (R360,60) , (R60,60) ,
(R54,54) , (R53,53) , (R255,55) , (R260,60) , (R59,59) , (R20,20) , (R60,60) ,
(R57,57) , (R260,60) , (R60,60) , (R54,54) , (R50,50) , (R58,58) , (R56,56) ,
(R260,60) , (R55,55) , (R60,60) , (R260,60) , (R260,60) , (R360,60) , (R260,60) ,
(R50,50) , (R60,60) , (R60,60) , (R260,60) , (R260,60) , (R60,60) , (R55,55) ,
(R60,60) , (R260,60) , (R360,60) , (R60,60) , (R57,57) , (R59,59) , (R360,60) ,
(R60,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) , (R260,60) , (R360,60) ,
(R360,60) , (R260,60) , (R260,60) , (R60,60) , (R275,75) , (R60,60) , (R360,60) ,
(R360,60) , (R275,75) , (R275,75) , (R275,75)

Rule which is executed and removed from the heap : R275

==

(R95, 95) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

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(R20, 20) ----> is the new rule added to the queue(heap)


********* Current Rule in execution : Rule25 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R15,15) , (R35,35) , (R35,35) , (R310,10) , (R3,3) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R54,54) , (R5,5) , (R20,20) , (R15,15) , (R35,35) , (R210,10)
, (R50,50) , (R20,20) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R55,55) ,
(R210,10) , (R35,35) , (R15,15) , (R60,60) , (R5,5) , (R50,50) , (R3,3) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R260,60) , (R10,10) , (R15,15) , (R310,10) ,
(R360,60) , (R10,10) , (R5,5) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R3,3) ,
(R35,35) , (R3,3) , (R15,15) , (R15,15) , (R20,20) , (R3,3) , (R310,10) , (R3,3) ,
(R3,3) , (R5,5) , (R210,10) , (R10,10) , (R10,10) , (R10,10) , (R20,20) , (R15,15) ,
(R35,35) , (R20,20) , (R20,20) , (R15,15) , (R15,15) , (R5,5) , (R210,10) , (R10,10)
, (R35,35) , (R5,5) , (R35,35) , (R15,15) , (R50,50) , (R35,35) , (R50,50) ,
(R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R10,10) , (R35,35) ,
(R15,15) , (R20,20) , (R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) , (R10,10) ,
(R35,35) , (R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) , (R10,10) , (R310,10)
, (R5,5) , (R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) ,
(R55,55) , (R20,20) , (R15,15) , (R310,10) , (R15,15) , (R35,35) , (R210,10) ,
(R15,15) , (R10,10) , (R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) ,
(R35,35) , (R5,5) , (R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50)
, (R220,20) , (R210,10) , (R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) ,
(R310,10) , (R3,3) , (R5,5) , (R35,35) , (R15,15) , (R55,55) , (R210,10) , (R20,20) ,
(R5,5) , (R15,15) , (R210,10) , (R10,10) , (R210,10) , (R15,15) , (R10,10) , (R35,35)
, (R310,10) , (R50,50) , (R55,55) , (R50,50) , (R5,5) , (R35,35) , (R55,55) ,
(R20,20) , (R58,58) , (R255,55) , (R20,20) , (R20,20) , (R56,56) , (R55,55) ,
(R360,60) , (R55,55) , (R210,10) , (R210,10) , (R60,60) , (R35,35) , (R260,60) ,
(R20,20) , (R15,15) , (R35,35) , (R35,35) , (R50,50) , (R35,35) , (R20,20) , (R5,5) ,
(R210,10) , (R55,55) , (R55,55) , (R60,60) , (R50,50) , (R20,20) , (R20,20) ,
(R55,55) , (R50,50) , (R60,60) , (R55,55) , (R20,20) , (R210,10) , (R260,60) ,
(R50,50) , (R55,55) , (R50,50) , (R210,10) , (R260,60) , (R35,35) , (R15,15) ,
(R15,15) , (R220,20) , (R50,50) , (R210,10) , (R35,35) , (R57,57) , (R56,56) ,
(R58,58) , (R54,54) , (R15,15) , (R220,20) , (R55,55) , (R20,20) , (R255,55) ,
(R55,55) , (R56,56) , (R59,59) , (R35,35) , (R20,20) , (R53,53) , (R50,50) , (R10,10)
, (R35,35) , (R255,55) , (R20,20) , (R53,53) , (R20,20) , (R50,50) , (R57,57) ,
(R60,60) , (R55,55) , (R260,60) , (R59,59) , (R360,60) , (R260,60) , (R60,60) ,
(R60,60) , (R360,60) , (R260,60) , (R50,50) , (R50,50) , (R50,50) , (R50,50) ,
(R260,60) , (R260,60) , (R360,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) ,
(R360,60) , (R360,60) , (R60,60) , (R54,54) , (R53,53) , (R255,55) , (R260,60) ,
(R59,59) , (R20,20) , (R60,60) , (R57,57) , (R260,60) , (R60,60) , (R54,54) ,
(R50,50) , (R58,58) , (R56,56) , (R260,60) , (R360,60) , (R60,60) , (R260,60) ,
(R260,60) , (R360,60) , (R60,60) , (R50,50) , (R60,60) , (R60,60) , (R260,60) ,
(R260,60) , (R60,60) , (R55,55) , (R60,60) , (R260,60) , (R360,60) , (R60,60) ,
(R57,57) , (R59,59) , (R260,60) , (R60,60) , (R60,60) , (R260,60) , (R60,60) ,
(R60,60) , (R260,60) , (R360,60) , (R360,60) , (R260,60) , (R60,60) , (R60,60) ,
(R275,75) , (R60,60) , (R360,60) , (R360,60) , (R275,75) , (R275,75) , (R95,95)

Rule which is executed and removed from the heap : R95
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(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)


********* Current Rule in execution : Rule26 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R35,35) , (R310,10)
, (R15,15) , (R15,15) , (R35,35) , (R35,35) , (R310,10) , (R3,3) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R54,54) , (R5,5) , (R20,20) , (R15,15) , (R35,35) , (R210,10)
, (R50,50) , (R20,20) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R55,55) ,
(R210,10) , (R35,35) , (R15,15) , (R60,60) , (R5,5) , (R50,50) , (R3,3) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R260,60) , (R10,10) , (R15,15) , (R310,10) ,
(R360,60) , (R10,10) , (R5,5) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R3,3) ,
(R20,20) , (R3,3) , (R15,15) , (R15,15) , (R20,20) , (R3,3) , (R310,10) , (R3,3) ,
(R3,3) , (R5,5) , (R210,10) , (R10,10) , (R10,10) , (R10,10) , (R20,20) , (R15,15) ,
(R35,35) , (R20,20) , (R20,20) , (R15,15) , (R15,15) , (R5,5) , (R210,10) , (R10,10)
, (R35,35) , (R5,5) , (R35,35) , (R15,15) , (R50,50) , (R35,35) , (R50,50) ,
(R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R10,10) , (R35,35) ,
(R15,15) , (R20,20) , (R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) , (R10,10) ,
(R35,35) , (R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) , (R10,10) , (R310,10)
, (R5,5) , (R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) ,
(R55,55) , (R20,20) , (R15,15) , (R310,10) , (R15,15) , (R35,35) , (R210,10) ,
(R15,15) , (R10,10) , (R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) ,
(R35,35) , (R5,5) , (R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50)
, (R220,20) , (R210,10) , (R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) ,
(R310,10) , (R3,3) , (R5,5) , (R35,35) , (R15,15) , (R55,55) , (R210,10) , (R20,20) ,
(R5,5) , (R15,15) , (R210,10) , (R10,10) , (R210,10) , (R50,50) , (R10,10) ,
(R260,60) , (R57,57) , (R50,50) , (R55,55) , (R50,50) , (R5,5) , (R35,35) , (R55,55)
, (R20,20) , (R58,58) , (R255,55) , (R20,20) , (R20,20) , (R56,56) , (R55,55) ,
(R360,60) , (R55,55) , (R210,10) , (R210,10) , (R60,60) , (R35,35) , (R260,60) ,
(R20,20) , (R15,15) , (R35,35) , (R35,35) , (R50,50) , (R35,35) , (R20,20) , (R5,5) ,
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(R210,10) , (R55,55) , (R55,55) , (R60,60) , (R50,50) , (R20,20) , (R20,20) ,
(R55,55) , (R50,50) , (R60,60) , (R55,55) , (R20,20) , (R210,10) , (R260,60) ,
(R50,50) , (R55,55) , (R50,50) , (R210,10) , (R260,60) , (R35,35) , (R15,15) ,
(R15,15) , (R220,20) , (R50,50) , (R210,10) , (R35,35) , (R57,57) , (R56,56) ,
(R58,58) , (R54,54) , (R15,15) , (R220,20) , (R55,55) , (R20,20) , (R255,55) ,
(R55,55) , (R56,56) , (R59,59) , (R35,35) , (R20,20) , (R53,53) , (R50,50) , (R10,10)
, (R35,35) , (R255,55) , (R20,20) , (R53,53) , (R20,20) , (R50,50) , (R60,60) ,
(R60,60) , (R55,55) , (R260,60) , (R59,59) , (R360,60) , (R260,60) , (R60,60) ,
(R60,60) , (R360,60) , (R260,60) , (R50,50) , (R35,35) , (R50,50) , (R50,50) ,
(R260,60) , (R260,60) , (R360,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) ,
(R360,60) , (R360,60) , (R60,60) , (R54,54) , (R53,53) , (R255,55) , (R260,60) ,
(R59,59) , (R20,20) , (R60,60) , (R57,57) , (R260,60) , (R60,60) , (R54,54) ,
(R50,50) , (R58,58) , (R56,56) , (R260,60) , (R360,60) , (R60,60) , (R260,60) ,
(R260,60) , (R360,60) , (R50,50) , (R50,50) , (R60,60) , (R60,60) , (R260,60) ,
(R260,60) , (R60,60) , (R55,55) , (R60,60) , (R260,60) , (R360,60) , (R60,60) ,
(R57,57) , (R59,59) , (R260,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) ,
(R60,60) , (R260,60) , (R360,60) , (R360,60) , (R260,60) , (R60,60) , (R260,60) ,
(R275,75) , (R60,60) , (R360,60) , (R60,60) , (R275,75) , (R360,60) , (R275,75)
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Rule which is executed and removed from the heap : R275

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(R80, 80) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R275, 75) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

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********* Current Rule in execution : Rule27 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R53,53) , (R210,10) ,
(R15,15) , (R10,10) , (R20,20) , (R210,10) , (R50,50) , (R15,15) , (R5,5) , (R210,10)
, (R10,10) , (R35,35) , (R35,35) , (R310,10) , (R15,15) , (R15,15) , (R35,35) ,
(R35,35) , (R310,10) , (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R54,54) ,
(R5,5) , (R20,20) , (R15,15) , (R35,35) , (R210,10) , (R50,50) , (R20,20) , (R15,15)
, (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R210,10) , (R35,35) , (R15,15) ,
(R60,60) , (R5,5) , (R50,50) , (R3,3) , (R5,5) , (R5,5) , (R210,10) , (R10,10) ,
(R260,60) , (R10,10) , (R15,15) , (R310,10) , (R360,60) , (R10,10) , (R5,5) ,
(R15,15) , (R5,5) , (R210,10) , (R10,10) , (R3,3) , (R20,20) , (R3,3) , (R15,15) ,
(R15,15) , (R20,20) , (R3,3) , (R310,10) , (R3,3) , (R3,3) , (R5,5) , (R210,10) ,
(R10,10) , (R10,10) , (R10,10) , (R20,20) , (R15,15) , (R35,35) , (R20,20) , (R20,20)
, (R15,15) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R5,5) , (R35,35)
, (R15,15) , (R50,50) , (R35,35) , (R50,50) , (R210,10) , (R5,5) , (R5,5) , (R210,10)
, (R10,10) , (R35,35) , (R10,10) , (R35,35) , (R15,15) , (R20,20) , (R10,10) ,
(R35,35) , (R15,15) , (R5,5) , (R3,3) , (R10,10) , (R35,35) , (R20,20) , (R5,5) ,
(R3,3) , (R210,10) , (R210,10) , (R10,10) , (R310,10) , (R5,5) , (R10,10) , (R5,5) ,
(R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) , (R55,55) , (R20,20) , (R15,15) ,
(R310,10) , (R15,15) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R10,10) ,
(R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R35,35) ,
(R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50) , (R220,20) , (R210,10) ,
(R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) , (R310,10) , (R3,3) , (R5,5) ,
(R35,35) , (R15,15) , (R55,55) , (R210,10) , (R50,50) , (R20,20) , (R15,15) ,
(R260,60) , (R35,35) , (R56,56) , (R50,50) , (R10,10) , (R260,60) , (R57,57) ,
(R50,50) , (R55,55) , (R50,50) , (R5,5) , (R35,35) , (R55,55) , (R20,20) , (R58,58) ,
(R255,55) , (R20,20) , (R20,20) , (R56,56) , (R55,55) , (R360,60) , (R55,55) ,
(R210,10) , (R210,10) , (R60,60) , (R35,35) , (R260,60) , (R20,20) , (R15,15) ,
(R35,35) , (R35,35) , (R50,50) , (R35,35) , (R20,20) , (R5,5) , (R210,10) , (R55,55)
, (R55,55) , (R60,60) , (R50,50) , (R20,20) , (R20,20) , (R55,55) , (R50,50) ,
(R60,60) , (R55,55) , (R20,20) , (R210,10) , (R260,60) , (R50,50) , (R20,20) ,
(R50,50) , (R210,10) , (R260,60) , (R35,35) , (R15,15) , (R15,15) , (R220,20) ,
(R50,50) , (R210,10) , (R35,35) , (R57,57) , (R56,56) , (R58,58) , (R54,54) ,
(R15,15) , (R220,20) , (R55,55) , (R20,20) , (R255,55) , (R55,55) , (R56,56) ,
(R59,59) , (R35,35) , (R20,20) , (R53,53) , (R50,50) , (R10,10) , (R35,35) ,
(R255,55) , (R55,55) , (R60,60) , (R59,59) , (R260,60) , (R60,60) , (R60,60) ,
(R55,55) , (R260,60) , (R59,59) , (R360,60) , (R260,60) , (R60,60) , (R60,60) ,
(R360,60) , (R260,60) , (R50,50) , (R35,35) , (R50,50) , (R50,50) , (R260,60) ,
(R260,60) , (R360,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) , (R55,55) ,
(R360,60) , (R60,60) , (R54,54) , (R53,53) , (R255,55) , (R260,60) , (R59,59) ,
(R20,20) , (R60,60) , (R57,57) , (R260,60) , (R60,60) , (R54,54) , (R50,50) ,
(R58,58) , (R360,60) , (R260,60) , (R360,60) , (R60,60) , (R260,60) , (R260,60) ,
(R360,60) , (R50,50) , (R50,50) , (R60,60) , (R60,60) , (R260,60) , (R360,60) ,
(R60,60) , (R55,55) , (R60,60) , (R260,60) , (R360,60) , (R60,60) , (R57,57) ,
(R260,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) , (R260,60) ,
(R260,60) , (R360,60) , (R360,60) , (R360,60) , (R60,60) , (R260,60) , (R60,60) ,
(R60,60) , (R275,75) , (R360,60) , (R275,75) , (R275,75) , (R80,80)

Rule which is executed and removed from the heap : R80
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(R275, 75) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule28 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R3,3) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R15,15) ,
(R35,35) , (R15,15) , (R255,55) , (R210,10) , (R50,50) , (R20,20) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R20,20) , (R210,10) , (R15,15) , (R10,10) , (R20,20) ,
(R210,10) , (R50,50) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R35,35)
, (R310,10) , (R15,15) , (R15,15) , (R35,35) , (R35,35) , (R310,10) , (R3,3) , (R3,3)
, (R5,5) , (R210,10) , (R10,10) , (R54,54) , (R5,5) , (R20,20) , (R15,15) , (R35,35)
, (R210,10) , (R50,50) , (R20,20) , (R15,15) , (R5,5) , (R210,10) , (R10,10) ,
(R55,55) , (R210,10) , (R35,35) , (R15,15) , (R60,60) , (R5,5) , (R50,50) , (R3,3) ,
(R5,5) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R10,10) , (R15,15) , (R310,10)
, (R360,60) , (R10,10) , (R5,5) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R3,3) ,
(R20,20) , (R3,3) , (R15,15) , (R15,15) , (R20,20) , (R3,3) , (R310,10) , (R3,3) ,
(R3,3) , (R5,5) , (R210,10) , (R10,10) , (R10,10) , (R10,10) , (R20,20) , (R15,15) ,
(R35,35) , (R20,20) , (R20,20) , (R15,15) , (R15,15) , (R5,5) , (R210,10) , (R10,10)
, (R35,35) , (R5,5) , (R35,35) , (R15,15) , (R50,50) , (R35,35) , (R50,50) ,
(R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R10,10) , (R35,35) ,
(R15,15) , (R20,20) , (R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) , (R10,10) ,

(R35,35) , (R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) , (R10,10) , (R310,10) , (R5,5) , (R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) , (R55,55) , (R20,20) , (R15,15) , (R310,10) , (R15,15) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) , (R35,35) , (R5,5) , (R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50) , (R220,20) , (R210,10) , (R15,15) , (R10,10) , (R15,15) , (R310,10) , (R20,20) , (R310,10) , (R20,20) , (R10,10) , (R35,35) , (R50,50) , (R55,55) , (R60,60) , (R55,55) , (R20,20) , (R15,15) , (R53,53) , (R35,35) , (R56,56) , (R50,50) , (R10,10) , (R260,60) , (R57,57) , (R50,50) , (R55,55) , (R50,50) , (R5,5) , (R35,35) , (R55,55) , (R20,20) , (R58,58) , (R255,55) , (R20,20) , (R20,20) , (R56,56) , (R55,55) , (R360,60) , (R55,55) , (R210,10) , (R210,10) , (R60,60) , (R35,35) , (R260,60) , (R20,20) , (R15,15) , (R35,35) , (R35,35) , (R50,50) , (R35,35) , (R20,20) , (R5,5) , (R210,10) , (R55,55) , (R55,55) , (R60,60) , (R50,50) , (R20,20) , (R20,20) , (R55,55) , (R50,50) , (R60,60) , (R55,55) , (R20,20) , (R210,10) , (R260,60) , (R50,50) , (R20,20) , (R50,50) , (R210,10) , (R260,60) , (R35,35) , (R15,15) , (R15,15) , (R220,20) , (R50,50) , (R210,10) , (R35,35) , (R57,57) , (R56,56) , (R58,58) , (R54,54) , (R15,15) , (R220,20) , (R55,55) , (R20,20) , (R255,55) , (R55,55) , (R56,56) , (R59,59) , (R35,35) , (R20,20) , (R53,53) , (R50,50) , (R50,50) , (R55,55) , (R360,60) , (R58,58) , (R260,60) , (R59,59) , (R260,60) , (R60,60) , (R60,60) , (R55,55) , (R260,60) , (R59,59) , (R360,60) , (R260,60) , (R60,60) , (R60,60) , (R360,60) , (R260,60) , (R50,50) , (R35,35) , (R50,50) , (R50,50) , (R260,60) , (R260,60) , (R360,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) , (R55,55) , (R360,60) , (R60,60) , (R54,54) , (R53,53) , (R255,55) , (R260,60) , (R59,59) , (R20,20) , (R60,60) , (R57,57) , (R260,60) , (R60,60) , (R54,54) , (R57,57) , (R360,60) , (R60,60) , (R260,60) , (R360,60) , (R60,60) , (R260,60) , (R260,60) , (R360,60) , (R50,50) , (R50,50) , (R60,60) , (R60,60) , (R260,60) , (R360,60) , (R60,60) , (R55,55) , (R60,60) , (R260,60) , (R360,60) , (R60,60) , (R260,60) , (R260,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) , (R260,60) , (R260,60) , (R360,60) , (R360,60) , (R360,60) , (R60,60) , (R260,60) , (R60,60) , (R60,60) , (R275,75) , (R360,60) , (R275,75) , (R275,75) , (R275,75)

Rule which is executed and removed from the heap : R275

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(R360, 60) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule29 *********

 Activated rules in the Agenda Manager are :

(R310,10) , (R15,15) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R53,53) , (R310,10)
, (R20,20) , (R15,15) , (R35,35) , (R310,10) , (R20,20) , (R3,3) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R35,35) , (R15,15) , (R35,35) , (R15,15) , (R255,55) ,
(R210,10) , (R50,50) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R3,3) ,
(R210,10) , (R15,15) , (R10,10) , (R20,20) , (R210,10) , (R50,50) , (R15,15) , (R5,5)
, (R210,10) , (R10,10) , (R35,35) , (R35,35) , (R310,10) , (R15,15) , (R15,15) ,
(R35,35) , (R35,35) , (R310,10) , (R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) ,
(R54,54) , (R5,5) , (R20,20) , (R15,15) , (R35,35) , (R210,10) , (R50,50) , (R20,20)
, (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R210,10) , (R35,35) ,
(R15,15) , (R60,60) , (R5,5) , (R50,50) , (R3,3) , (R5,5) , (R5,5) , (R210,10) ,
(R10,10) , (R260,60) , (R10,10) , (R15,15) , (R310,10) , (R360,60) , (R10,10) ,
(R5,5) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R3,3) , (R20,20) , (R3,3) ,
(R15,15) , (R15,15) , (R20,20) , (R3,3) , (R310,10) , (R3,3) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R10,10) , (R10,10) , (R20,20) , (R15,15) , (R35,35) ,
(R20,20) , (R20,20) , (R15,15) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R35,35)
, (R5,5) , (R35,35) , (R15,15) , (R50,50) , (R35,35) , (R50,50) , (R210,10) , (R5,5)
, (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R10,10) , (R35,35) , (R15,15) ,
(R20,20) , (R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) , (R10,10) , (R35,35) ,
(R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) , (R10,10) , (R310,10) , (R5,5) ,
(R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) , (R55,55) ,
(R20,20) , (R15,15) , (R310,10) , (R15,15) , (R35,35) , (R210,10) , (R15,15) ,
(R10,10) , (R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) , (R35,35) ,
(R5,5) , (R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50) , (R220,20)
, (R210,10) , (R20,20) , (R10,10) , (R15,15) , (R55,55) , (R20,20) , (R50,50) ,
(R50,50) , (R10,10) , (R35,35) , (R50,50) , (R55,55) , (R60,60) , (R55,55) , (R20,20)
, (R15,15) , (R20,20) , (R35,35) , (R56,56) , (R50,50) , (R10,10) , (R260,60) ,
(R57,57) , (R50,50) , (R55,55) , (R50,50) , (R5,5) , (R35,35) , (R55,55) , (R20,20) ,
(R58,58) , (R255,55) , (R20,20) , (R20,20) , (R56,56) , (R55,55) , (R360,60) ,
(R55,55) , (R210,10) , (R210,10) , (R60,60) , (R35,35) , (R260,60) , (R20,20) ,
(R15,15) , (R35,35) , (R35,35) , (R50,50) , (R35,35) , (R20,20) , (R5,5) , (R210,10)
, (R55,55) , (R55,55) , (R60,60) , (R50,50) , (R20,20) , (R20,20) , (R55,55) ,
(R50,50) , (R60,60) , (R55,55) , (R20,20) , (R210,10) , (R260,60) , (R50,50) ,
(R20,20) , (R50,50) , (R210,10) , (R260,60) , (R35,35) , (R15,15) , (R15,15) ,
(R220,20) , (R50,50) , (R210,10) , (R35,35) , (R57,57) , (R56,56) , (R58,58) ,
(R54,54) , (R15,15) , (R220,20) , (R55,55) , (R20,20) , (R255,55) , (R55,55) ,

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(R56,56) , (R59,59) , (R35,35) , (R50,50) , (R260,60) , (R54,54) , (R57,57) ,
(R55,55) , (R360,60) , (R58,58) , (R53,53) , (R59,59) , (R260,60) , (R60,60) ,
(R60,60) , (R55,55) , (R260,60) , (R59,59) , (R360,60) , (R260,60) , (R60,60) ,
(R60,60) , (R360,60) , (R260,60) , (R50,50) , (R35,35) , (R50,50) , (R50,50) ,
(R260,60) , (R260,60) , (R360,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) ,
(R55,55) , (R360,60) , (R60,60) , (R54,54) , (R53,53) , (R255,55) , (R260,60) ,
(R59,59) , (R20,20) , (R60,60) , (R57,57) , (R260,60) , (R60,60) , (R60,60) ,
(R360,60) , (R360,60) , (R260,60) , (R260,60) , (R360,60) , (R60,60) , (R260,60) ,
(R260,60) , (R360,60) , (R50,50) , (R50,50) , (R60,60) , (R60,60) , (R260,60) ,
(R360,60) , (R60,60) , (R55,55) , (R60,60) , (R260,60) , (R360,60) , (R60,60) ,
(R260,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) ,
(R260,60) , (R260,60) , (R360,60) , (R360,60) , (R260,60) , (R60,60) , (R260,60) ,
(R60,60) , (R60,60) , (R360,60) , (R360,60) , (R275,75) , (R275,75) , (R275,75)
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Rule which is executed and removed from the heap : R275

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(R95, 95) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule30 *********

 Activated rules in the Agenda Manager are :

```
(R20,20) , (R15,15) , (R35,35) , (R210,10) , (R20,20) , (R15,15) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R53,53) , (R310,10) , (R20,20) , (R15,15) , (R35,35) ,
(R310,10) , (R20,20) , (R3,3) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) ,
(R15,15) , (R35,35) , (R15,15) , (R255,55) , (R210,10) , (R50,50) , (R20,20) , (R5,5)
, (R5,5) , (R210,10) , (R10,10) , (R3,3) , (R210,10) , (R15,15) , (R10,10) , (R20,20)
, (R210,10) , (R50,50) , (R15,15) , (R5,5) , (R210,10) , (R10,10) , (R35,35) ,
(R35,35) , (R310,10) , (R15,15) , (R15,15) , (R35,35) , (R35,35) , (R310,10) , (R3,3)
, (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R54,54) , (R5,5) , (R20,20) , (R15,15) ,
(R35,35) , (R210,10) , (R50,50) , (R20,20) , (R15,15) , (R5,5) , (R210,10) , (R10,10)
, (R55,55) , (R210,10) , (R35,35) , (R15,15) , (R60,60) , (R5,5) , (R50,50) , (R3,3)
, (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R10,10) , (R15,15) ,
(R310,10) , (R360,60) , (R10,10) , (R5,5) , (R15,15) , (R5,5) , (R210,10) , (R10,10)
, (R3,3) , (R20,20) , (R3,3) , (R15,15) , (R15,15) , (R20,20) , (R3,3) , (R310,10) ,
(R3,3) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R10,10) , (R10,10) , (R20,20) ,
(R15,15) , (R35,35) , (R20,20) , (R20,20) , (R15,15) , (R15,15) , (R5,5) , (R210,10)
, (R10,10) , (R35,35) , (R5,5) , (R35,35) , (R15,15) , (R50,50) , (R35,35) , (R50,50)
```

, (R210,10) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R10,10) , (R35,35)
, (R15,15) , (R20,20) , (R10,10) , (R35,35) , (R15,15) , (R5,5) , (R3,3) , (R10,10) ,
(R35,35) , (R20,20) , (R5,5) , (R3,3) , (R210,10) , (R210,10) , (R10,10) , (R310,10)
, (R5,5) , (R10,10) , (R5,5) , (R3,3) , (R5,5) , (R20,20) , (R10,10) , (R55,55) ,
(R55,55) , (R20,20) , (R15,15) , (R310,10) , (R15,15) , (R35,35) , (R210,10) ,
(R15,15) , (R10,10) , (R10,10) , (R310,10) , (R53,53) , (R50,50) , (R3,3) , (R5,5) ,
(R35,35) , (R5,5) , (R35,35) , (R210,10) , (R20,20) , (R10,10) , (R58,58) , (R50,50)
, (R220,20) , (R35,35) , (R50,50) , (R10,10) , (R15,15) , (R55,55) , (R20,20) ,
(R50,50) , (R50,50) , (R10,10) , (R35,35) , (R50,50) , (R55,55) , (R60,60) , (R55,55)
, (R20,20) , (R15,15) , (R20,20) , (R35,35) , (R56,56) , (R50,50) , (R10,10) ,
(R260,60) , (R57,57) , (R50,50) , (R55,55) , (R50,50) , (R5,5) , (R35,35) , (R55,55)
, (R20,20) , (R58,58) , (R255,55) , (R20,20) , (R20,20) , (R56,56) , (R55,55) ,
(R360,60) , (R55,55) , (R210,10) , (R210,10) , (R60,60) , (R35,35) , (R260,60) ,
(R20,20) , (R15,15) , (R35,35) , (R35,35) , (R50,50) , (R35,35) , (R310,10) , (R5,5)
, (R210,10) , (R55,55) , (R55,55) , (R60,60) , (R50,50) , (R20,20) , (R20,20) ,
(R55,55) , (R50,50) , (R60,60) , (R55,55) , (R20,20) , (R210,10) , (R260,60) ,
(R50,50) , (R20,20) , (R50,50) , (R210,10) , (R260,60) , (R35,35) , (R15,15) ,
(R15,15) , (R220,20) , (R50,50) , (R210,10) , (R35,35) , (R57,57) , (R56,56) ,
(R58,58) , (R54,54) , (R15,15) , (R220,20) , (R55,55) , (R20,20) , (R255,55) ,
(R55,55) , (R56,56) , (R59,59) , (R60,60) , (R60,60) , (R260,60) , (R54,54) ,
(R57,57) , (R55,55) , (R360,60) , (R58,58) , (R53,53) , (R59,59) , (R260,60) ,
(R60,60) , (R60,60) , (R55,55) , (R260,60) , (R59,59) , (R360,60) , (R260,60) ,
(R60,60) , (R60,60) , (R360,60) , (R260,60) , (R50,50) , (R35,35) , (R50,50) ,
(R20,20) , (R260,60) , (R260,60) , (R360,60) , (R260,60) , (R360,60) , (R360,60) ,
(R60,60) , (R55,55) , (R360,60) , (R60,60) , (R54,54) , (R53,53) , (R255,55) ,
(R260,60) , (R59,59) , (R20,20) , (R60,60) , (R57,57) , (R260,60) , (R60,60) ,
(R60,60) , (R360,60) , (R360,60) , (R260,60) , (R260,60) , (R360,60) , (R60,60) ,
(R260,60) , (R260,60) , (R360,60) , (R50,50) , (R50,50) , (R60,60) , (R60,60) ,
(R260,60) , (R360,60) , (R60,60) , (R55,55) , (R60,60) , (R260,60) , (R360,60) ,
(R360,60) , (R260,60) , (R60,60) , (R60,60) , (R60,60) , (R60,60) , (R50,50) ,
(R60,60) , (R260,60) , (R260,60) , (R360,60) , (R360,60) , (R260,60) , (R60,60) ,
(R60,60) , (R60,60) , (R60,60) , (R360,60) , (R260,60) , (R275,75) , (R275,75) ,
(R95,95)

Rule which is executed and removed from the heap : R95

==

The current inference will be terminated after 30 cycles
Time taken to execute 30 cycles is: 1.061 Secs

=================================End of Execution=================================

→ Input file : Experiment_sampleInput2.txt
→ Output:


```
Please provide the complete path of the file you want to check:
D:\Softwares\Java Workspace\Experiment_sampleInput2.txt

********* Current Rule in execution : Rule1 *********

 Activated rules in the Agenda Manager are :

(R55,55) , (R50,50) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R60,60)
, (R35,35) , (R15,15) , (R275,75) , (R360,60) , (R80,80)

Rule which is executed and removed from the heap : R80



==================================================================================


(R275, 75) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)
```

********* Current Rule in execution : Rule2 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R50,50) , (R20,20) , (R5,5) , (R210,10) , (R5,5) , (R35,35) , (R210,10) ,
(R15,15) , (R10,10) , (R60,60) , (R360,60) , (R55,55) , (R50,50) , (R20,20) ,
(R10,10) , (R55,55) , (R15,15) , (R260,60) , (R60,60) , (R35,35) , (R260,60) ,
(R275,75) , (R360,60) , (R275,75)

Rule which is executed and removed from the heap : R275

==

(R360, 60) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule3 *********

 Activated rules in the Agenda Manager are :

(R310,10) , (R210,10) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R55,55)
, (R20,20) , (R15,15) , (R35,35) , (R3,3) , (R50,50) , (R50,50) , (R20,20) , (R5,5) ,
(R210,10) , (R5,5) , (R35,35) , (R50,50) , (R15,15) , (R10,10) , (R60,60) , (R360,60)
, (R60,60) , (R55,55) , (R20,20) , (R10,10) , (R55,55) , (R15,15) , (R260,60) ,
(R360,60) , (R35,35) , (R260,60) , (R60,60) , (R360,60) , (R275,75)

Rule which is executed and removed from the heap : R275

==

(R95, 95) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule4 *********

 Activated rules in the Agenda Manager are :

(R50,50) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R5,5) , (R310,10) , (R210,10) ,
(R10,10) , (R5,5) , (R35,35) , (R35,35) , (R310,10) , (R210,10) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R260,60) , (R55,55) , (R20,20) , (R15,15) , (R35,35) , (R3,3)
, (R50,50) , (R55,55) , (R20,20) , (R10,10) , (R20,20) , (R15,15) , (R55,55) ,
(R50,50) , (R15,15) , (R10,10) , (R60,60) , (R360,60) , (R60,60) , (R55,55) ,
(R20,20) , (R35,35) , (R60,60) , (R15,15) , (R260,60) , (R360,60) , (R260,60) ,
(R260,60) , (R60,60) , (R360,60) , (R95,95)

Rule which is executed and removed from the heap : R95

==

(R60, 60) ----> is the new rule added to the queue(heap)

(R56, 56) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R255, 55) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule5 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R56,56) , (R50,50) , (R55,55) , (R50,50) , (R3,3) , (R5,5) , (R210,10) ,
(R5,5) , (R310,10) , (R210,10) , (R10,10) , (R5,5) , (R35,35) , (R35,35) , (R310,10)
, (R210,10) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R260,60) , (R55,55) ,
(R20,20) , (R15,15) , (R35,35) , (R255,55) , (R260,60) , (R55,55) , (R20,20) ,
(R10,10) , (R20,20) , (R15,15) , (R50,50) , (R50,50) , (R15,15) , (R10,10) , (R60,60)
, (R360,60) , (R60,60) , (R60,60) , (R20,20) , (R35,35) , (R55,55) , (R15,15) ,
(R260,60) , (R360,60) , (R260,60) , (R60,60) , (R60,60) , (R260,60) , (R360,60)

Rule which is executed and removed from the heap : R360

==

(R20, 20) ----> is the new rule added to the queue(heap)

(R59, 59) ----> is the new rule added to the queue(heap)

(R58, 58) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R54, 54) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

(R57, 57) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R53, 53) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule6 *********

 Activated rules in the Agenda Manager are :

(R210,10) , (R210,10) , (R10,10) , (R10,10) , (R57,57) , (R310,10) , (R55,55) ,
(R20,20) , (R3,3) , (R5,5) , (R15,15) , (R35,35) , (R35,35) , (R255,55) , (R20,20) ,
(R56,56) , (R50,50) , (R55,55) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R5,5) ,
(R310,10) , (R210,10) , (R10,10) , (R5,5) , (R35,35) , (R35,35) , (R310,10) , (R3,3)
, (R3,3) , (R5,5) , (R15,15) , (R10,10) , (R260,60) , (R55,55) , (R50,50) , (R54,54)
, (R58,58) , (R59,59) , (R260,60) , (R55,55) , (R20,20) , (R10,10) , (R20,20) ,
(R15,15) , (R50,50) , (R210,10) , (R15,15) , (R15,15) , (R60,60) , (R360,60) ,
(R60,60) , (R60,60) , (R20,20) , (R35,35) , (R50,50) , (R53,53) , (R260,60) ,
(R360,60) , (R260,60) , (R55,55) , (R60,60) , (R60,60) , (R260,60)

Rule which is executed and removed from the heap : R260

==

(R260, 60) ----> is the new rule added to the queue(heap)

(R56, 56) ----> is the new rule added to the queue(heap)

(R59, 59) ----> is the new rule added to the queue(heap)

(R255, 55) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R58, 58) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R54, 54) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R53, 53) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

(R57, 57) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R220, 20) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule7 *********

 Activated rules in the Agenda Manager are :

(R210,10) , (R210,10) , (R10,10) , (R10,10) , (R5,5) , (R310,10) , (R35,35) ,
(R35,35) , (R3,3) , (R5,5) , (R310,10) , (R210,10) , (R3,3) , (R20,20) , (R3,3) ,
(R15,15) , (R5,5) , (R15,15) , (R15,15) , (R210,10) , (R10,10) , (R10,10) , (R57,57)
, (R310,10) , (R55,55) , (R20,20) , (R3,3) , (R5,5) , (R15,15) , (R35,35) , (R35,35)
, (R255,55) , (R20,20) , (R56,56) , (R50,50) , (R55,55) , (R50,50) , (R3,3) , (R5,5)
, (R210,10) , (R5,5) , (R310,10) , (R210,10) , (R15,15) , (R15,15) , (R50,50) ,
(R50,50) , (R50,50) , (R35,35) , (R55,55) , (R255,55) , (R53,53) , (R10,10) ,
(R260,60) , (R55,55) , (R50,50) , (R54,54) , (R58,58) , (R59,59) , (R260,60) ,
(R55,55) , (R20,20) , (R10,10) , (R220,20) , (R20,20) , (R53,53) , (R54,54) ,
(R56,56) , (R55,55) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R20,20) ,
(R35,35) , (R58,58) , (R59,59) , (R260,60) , (R360,60) , (R57,57) , (R260,60) ,
(R60,60) , (R260,60) , (R60,60)

Rule which is executed and removed from the heap : R60

==

(R60, 60) ----> is the new rule added to the queue(heap)

(R59, 59) ----> is the new rule added to the queue(heap)

(R58, 58) ----> is the new rule added to the queue(heap)

(R56, 56) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R57, 57) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R255, 55) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R53, 53) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

(R220, 20) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R54, 54) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule8 *********

 Activated rules in the Agenda Manager are :

(R54,54) , (R210,10) , (R15,15) , (R10,10) , (R220,20) , (R310,10) , (R50,50) ,
(R3,3) , (R3,3) , (R5,5) , (R5,5) , (R20,20) , (R210,10) , (R10,10) , (R5,5) ,
(R56,56) , (R310,10) , (R220,20) , (R210,10) , (R210,10) , (R10,10) , (R10,10) ,
(R5,5) , (R310,10) , (R35,35) , (R35,35) , (R3,3) , (R5,5) , (R310,10) , (R210,10) ,
(R3,3) , (R20,20) , (R3,3) , (R210,10) , (R5,5) , (R15,15) , (R15,15) , (R210,10) ,
(R10,10) , (R10,10) , (R57,57) , (R310,10) , (R55,55) , (R20,20) , (R3,3) , (R5,5) ,
(R15,15) , (R35,35) , (R35,35) , (R255,55) , (R20,20) , (R56,56) , (R50,50) ,
(R55,55) , (R53,53) , (R50,50) , (R20,20) , (R35,35) , (R20,20) , (R57,57) , (R35,35)
, (R15,15) , (R15,15) , (R50,50) , (R50,50) , (R50,50) , (R35,35) , (R55,55) ,
(R15,15) , (R53,53) , (R10,10) , (R260,60) , (R55,55) , (R50,50) , (R54,54) ,
(R58,58) , (R59,59) , (R260,60) , (R55,55) , (R255,55) , (R55,55) , (R58,58) ,
(R20,20) , (R53,53) , (R54,54) , (R255,55) , (R55,55) , (R60,60) , (R360,60) ,
(R60,60) , (R60,60) , (R57,57) , (R59,59) , (R58,58) , (R56,56) , (R260,60) ,
(R360,60) , (R60,60) , (R59,59) , (R60,60) , (R260,60) , (R260,60)

Rule which is executed and removed from the heap : R260

==

(R90, 90) ----> is the new rule added to the queue(heap)

(R59, 59) ----> is the new rule added to the queue(heap)

(R58, 58) ----> is the new rule added to the queue(heap)

(R56, 56) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R57, 57) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R255, 55) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R53, 53) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

(R220, 20) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R54, 54) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule9 *********

 Activated rules in the Agenda Manager are :

(R54,54) , (R210,10) , (R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15) ,
(R3,3) , (R5,5) , (R35,35) , (R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) ,
(R20,20) , (R59,59) , (R56,56) , (R210,10) , (R15,15) , (R10,10) , (R220,20) ,
(R310,10) , (R50,50) , (R3,3) , (R3,3) , (R5,5) , (R5,5) , (R20,20) , (R210,10) ,
(R10,10) , (R5,5) , (R54,54) , (R310,10) , (R220,20) , (R210,10) , (R210,10) ,
(R10,10) , (R10,10) , (R5,5) , (R310,10) , (R35,35) , (R35,35) , (R3,3) , (R5,5) ,
(R310,10) , (R210,10) , (R3,3) , (R20,20) , (R3,3) , (R210,10) , (R5,5) , (R15,15) ,

(R15,15) , (R210,10) , (R10,10) , (R10,10) , (R57,57) , (R310,10) , (R55,55) ,
(R20,20) , (R220,20) , (R53,53) , (R50,50) , (R255,55) , (R57,57) , (R255,55) ,
(R58,58) , (R260,60) , (R50,50) , (R55,55) , (R53,53) , (R50,50) , (R20,20) ,
(R35,35) , (R20,20) , (R56,56) , (R35,35) , (R15,15) , (R15,15) , (R50,50) , (R50,50)
, (R50,50) , (R35,35) , (R55,55) , (R15,15) , (R53,53) , (R10,10) , (R260,60) ,
(R55,55) , (R50,50) , (R54,54) , (R58,58) , (R59,59) , (R60,60) , (R55,55) ,
(R255,55) , (R55,55) , (R57,57) , (R20,20) , (R53,53) , (R54,54) , (R255,55) ,
(R55,55) , (R60,60) , (R360,60) , (R60,60) , (R360,60) , (R57,57) , (R58,58) ,
(R58,58) , (R56,56) , (R260,60) , (R60,60) , (R59,59) , (R59,59) , (R260,60) ,
(R60,60) , (R90,90)

Rule which is executed and removed from the heap : R90

==

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule10 *********

 Activated rules in the Agenda Manager are :

(R10,10) , (R10,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35)
, (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15)
, (R3,3) , (R5,5) , (R35,35) , (R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) ,
(R20,20) , (R59,59) , (R56,56) , (R210,10) , (R15,15) , (R10,10) , (R220,20) ,
(R310,10) , (R50,50) , (R3,3) , (R3,3) , (R5,5) , (R5,5) , (R20,20) , (R210,10) ,
(R10,10) , (R5,5) , (R54,54) , (R310,10) , (R220,20) , (R210,10) , (R210,10) ,
(R10,10) , (R10,10) , (R5,5) , (R310,10) , (R35,35) , (R35,35) , (R3,3) , (R5,5) ,
(R310,10) , (R210,10) , (R3,3) , (R20,20) , (R3,3) , (R210,10) , (R5,5) , (R15,15) ,
(R15,15) , (R210,10) , (R10,10) , (R20,20) , (R57,57) , (R260,60) , (R55,55) ,
(R20,20) , (R220,20) , (R53,53) , (R50,50) , (R255,55) , (R57,57) , (R255,55) ,
(R58,58) , (R260,60) , (R50,50) , (R55,55) , (R53,53) , (R50,50) , (R20,20) ,

(R35,35) , (R20,20) , (R56,56) , (R35,35) , (R15,15) , (R15,15) , (R50,50) , (R50,50)
, (R50,50) , (R35,35) , (R55,55) , (R15,15) , (R53,53) , (R50,50) , (R260,60) ,
(R60,60) , (R50,50) , (R54,54) , (R58,58) , (R59,59) , (R60,60) , (R55,55) ,
(R255,55) , (R55,55) , (R57,57) , (R20,20) , (R53,53) , (R54,54) , (R255,55) ,
(R55,55) , (R60,60) , (R360,60) , (R60,60) , (R360,60) , (R57,57) , (R58,58) ,
(R54,54) , (R56,56) , (R260,60) , (R60,60) , (R59,59) , (R58,58) , (R260,60) ,
(R59,59) , (R60,60)

Rule which is executed and removed from the heap : R60

==

(R80, 80) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R275, 75) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule11 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R15,15) , (R210,10) , (R5,5) , (R5,5) , (R10,10) , (R15,15) , (R35,35) ,
(R15,15) , (R15,15) , (R210,10) , (R50,50) , (R10,10) , (R10,10) , (R5,5) , (R210,10)
, (R10,10) , (R55,55) , (R310,10) , (R35,35) , (R15,15) , (R210,10) , (R15,15) ,
(R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15) , (R3,3) , (R5,5) , (R35,35) ,
(R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) , (R20,20) , (R10,10) , (R56,56)
, (R210,10) , (R15,15) , (R10,10) , (R220,20) , (R310,10) , (R50,50) , (R3,3) ,

(R3,3) , (R5,5) , (R5,5) , (R20,20) , (R210,10) , (R10,10) , (R5,5) , (R54,54) , (R310,10) , (R220,20) , (R210,10) , (R210,10) , (R10,10) , (R10,10) , (R5,5) , (R310,10) , (R35,35) , (R35,35) , (R3,3) , (R5,5) , (R310,10) , (R210,10) , (R3,3) , (R20,20) , (R55,55) , (R20,20) , (R210,10) , (R59,59) , (R53,53) , (R56,56) , (R55,55) , (R20,20) , (R57,57) , (R260,60) , (R55,55) , (R20,20) , (R220,20) , (R53,53) , (R50,50) , (R255,55) , (R57,57) , (R255,55) , (R58,58) , (R59,59) , (R50,50) , (R55,55) , (R53,53) , (R50,50) , (R20,20) , (R35,35) , (R20,20) , (R56,56) , (R35,35) , (R15,15) , (R15,15) , (R50,50) , (R50,50) , (R50,50) , (R35,35) , (R55,55) , (R50,50) , (R260,60) , (R58,58) , (R260,60) , (R60,60) , (R50,50) , (R54,54) , (R58,58) , (R59,59) , (R260,60) , (R55,55) , (R255,55) , (R55,55) , (R57,57) , (R20,20) , (R53,53) , (R54,54) , (R255,55) , (R60,60) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R57,57) , (R58,58) , (R54,54) , (R360,60) , (R260,60) , (R360,60) , (R59,59) , (R260,60) , (R60,60) , (R275,75) , (R80,80)

Rule which is executed and removed from the heap : R80

===

(R275, 75) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule12 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) , (R15,15) , (R20,20) , (R55,55) , (R55,55) , (R15,15) , (R210,10) , (R5,5) , (R5,5) , (R10,10) , (R3,3) , (R35,35) , (R15,15) , (R15,15) , (R210,10) , (R50,50) , (R10,10) , (R10,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35) , (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15) , (R3,3) , (R5,5) , (R35,35) , (R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) , (R20,20) , (R10,10) , (R56,56) , (R210,10) , (R15,15) , (R10,10) , (R220,20) , (R310,10) , (R50,50) , (R3,3) , (R3,3) , (R5,5) , (R5,5) , (R20,20) , (R210,10) , (R10,10) , (R5,5) , (R54,54) , (R310,10) , (R220,20) , (R210,10) , (R210,10) , (R10,10) , (R10,10) , (R5,5) , (R310,10) , (R35,35) , (R35,35) , (R3,3) , (R50,50) , (R310,10) , (R54,54) , (R35,35) , (R60,60) , (R255,55) , (R20,20) , (R210,10) , (R15,15) , (R53,53) , (R56,56) , (R55,55) , (R20,20) , (R57,57) , (R260,60) , (R55,55) , (R20,20) , (R220,20) , (R53,53) , (R50,50) , (R255,55) , (R57,57) , (R255,55) , (R58,58) , (R59,59) , (R50,50) , (R55,55) , (R53,53) , (R50,50) , (R20,20) , (R35,35) , (R20,20) , (R56,56) , (R35,35) , (R15,15) , (R15,15) , (R50,50) , (R50,50) , (R50,50) , (R54,54) , (R360,60) , (R50,50) , (R59,59) , (R58,58) , (R260,60) , (R60,60) , (R50,50) , (R54,54) , (R58,58) , (R59,59) , (R260,60) , (R55,55) , (R255,55) , (R55,55) , (R57,57) , (R20,20) , (R53,53) , (R55,55) , (R60,60) , (R260,60) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R57,57) , (R58,58) , (R260,60) , (R360,60) , (R260,60) , (R360,60) , (R59,59) , (R260,60) , (R60,60) , (R275,75) , (R275,75)

Rule which is executed and removed from the heap : R275

==

(R360, 60) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule13 *********

 Activated rules in the Agenda Manager are :

(R310,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) , (R10,10) , (R310,10) , (R35,35) ,
(R20,20) , (R15,15) , (R35,35) , (R35,35) , (R3,3) , (R20,20) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) , (R15,15) , (R20,20) , (R55,55)
, (R55,55) , (R15,15) , (R210,10) , (R5,5) , (R5,5) , (R10,10) , (R3,3) , (R3,3) ,
(R15,15) , (R15,15) , (R210,10) , (R50,50) , (R10,10) , (R10,10) , (R5,5) , (R210,10)
, (R10,10) , (R55,55) , (R310,10) , (R35,35) , (R15,15) , (R210,10) , (R15,15) ,
(R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15) , (R3,3) , (R5,5) , (R35,35) ,
(R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) , (R20,20) , (R10,10) , (R56,56)
, (R210,10) , (R15,15) , (R10,10) , (R220,20) , (R310,10) , (R50,50) , (R3,3) ,
(R3,3) , (R5,5) , (R5,5) , (R20,20) , (R210,10) , (R10,10) , (R5,5) , (R54,54) ,
(R310,10) , (R220,20) , (R210,10) , (R210,10) , (R10,10) , (R15,15) , (R210,10) ,
(R55,55) , (R50,50) , (R53,53) , (R50,50) , (R50,50) , (R310,10) , (R54,54) ,
(R35,35) , (R60,60) , (R255,55) , (R20,20) , (R210,10) , (R15,15) , (R35,35) ,
(R56,56) , (R55,55) , (R20,20) , (R57,57) , (R260,60) , (R55,55) , (R20,20) ,
(R220,20) , (R53,53) , (R50,50) , (R255,55) , (R57,57) , (R255,55) , (R58,58) ,
(R59,59) , (R50,50) , (R55,55) , (R53,53) , (R50,50) , (R20,20) , (R35,35) , (R20,20)
, (R56,56) , (R35,35) , (R15,15) , (R20,20) , (R260,60) , (R60,60) , (R50,50) ,
(R54,54) , (R360,60) , (R50,50) , (R53,53) , (R58,58) , (R260,60) , (R60,60) ,
(R50,50) , (R54,54) , (R58,58) , (R59,59) , (R260,60) , (R55,55) , (R255,55) ,
(R55,55) , (R57,57) , (R50,50) , (R360,60) , (R55,55) , (R60,60) , (R59,59) ,
(R60,60) , (R360,60) , (R60,60) , (R60,60) , (R57,57) , (R58,58) , (R260,60) ,
(R260,60) , (R260,60) , (R360,60) , (R59,59) , (R360,60) , (R60,60) , (R260,60) ,
(R275,75)

Rule which is executed and removed from the heap : R275

==

(R95, 95) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule14 *********

Activated rules in the Agenda Manager are :

(R210,10) , (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) ,
(R5,5) , (R10,10) , (R310,10) , (R35,35) , (R20,20) , (R15,15) , (R35,35) , (R35,35)
, (R3,3) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) ,
(R3,3) , (R15,15) , (R310,10) , (R55,55) , (R55,55) , (R15,15) , (R210,10) , (R5,5) ,
(R5,5) , (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R15,15) , (R210,10) , (R50,50) ,
(R10,10) , (R10,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35)
, (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15)
, (R3,3) , (R5,5) , (R35,35) , (R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) ,
(R20,20) , (R10,10) , (R56,56) , (R210,10) , (R15,15) , (R10,10) , (R220,20) ,
(R310,10) , (R50,50) , (R3,3) , (R3,3) , (R5,5) , (R5,5) , (R20,20) , (R210,10) ,
(R10,10) , (R5,5) , (R54,54) , (R310,10) , (R220,20) , (R20,20) , (R50,50) , (R35,35)
, (R15,15) , (R210,10) , (R55,55) , (R50,50) , (R53,53) , (R50,50) , (R50,50) ,
(R310,10) , (R54,54) , (R35,35) , (R20,20) , (R255,55) , (R20,20) , (R210,10) ,
(R15,15) , (R35,35) , (R56,56) , (R55,55) , (R20,20) , (R57,57) , (R260,60) ,
(R55,55) , (R20,20) , (R220,20) , (R53,53) , (R50,50) , (R255,55) , (R57,57) ,
(R255,55) , (R58,58) , (R59,59) , (R50,50) , (R55,55) , (R53,53) , (R50,50) ,
(R20,20) , (R35,35) , (R20,20) , (R56,56) , (R35,35) , (R58,58) , (R20,20) ,
(R260,60) , (R60,60) , (R50,50) , (R54,54) , (R60,60) , (R50,50) , (R53,53) ,
(R58,58) , (R260,60) , (R60,60) , (R50,50) , (R54,54) , (R58,58) , (R59,59) ,
(R260,60) , (R55,55) , (R255,55) , (R55,55) , (R57,57) , (R59,59) , (R360,60) ,
(R55,55) , (R360,60) , (R59,59) , (R60,60) , (R360,60) , (R60,60) , (R60,60) ,
(R57,57) , (R60,60) , (R260,60) , (R60,60) , (R260,60) , (R360,60) , (R360,60) ,
(R260,60) , (R60,60) , (R260,60) , (R95,95)

Rule which is executed and removed from the heap : R95

==

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule15 *********

Activated rules in the Agenda Manager are :

(R10,10) , (R35,35) , (R220,20) , (R20,20) , (R15,15) , (R15,15) , (R210,10) ,
(R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) , (R10,10) , (R310,10) ,
(R35,35) , (R20,20) , (R15,15) , (R35,35) , (R35,35) , (R3,3) , (R20,20) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) , (R15,15) , (R310,10)

, (R55,55) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R5,5) , (R10,10) , (R3,3) ,
(R3,3) , (R15,15) , (R15,15) , (R210,10) , (R50,50) , (R10,10) , (R10,10) , (R5,5) ,
(R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35) , (R15,15) , (R210,10) ,
(R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15) , (R3,3) , (R5,5) ,
(R35,35) , (R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) , (R20,20) , (R10,10)
, (R56,56) , (R210,10) , (R15,15) , (R10,10) , (R220,20) , (R310,10) , (R50,50) ,
(R3,3) , (R3,3) , (R5,5) , (R5,5) , (R20,20) , (R210,10) , (R10,10) , (R5,5) ,
(R54,54) , (R310,10) , (R57,57) , (R35,35) , (R50,50) , (R35,35) , (R15,15) ,
(R210,10) , (R55,55) , (R50,50) , (R53,53) , (R50,50) , (R50,50) , (R310,10) ,
(R54,54) , (R35,35) , (R20,20) , (R55,55) , (R20,20) , (R210,10) , (R15,15) ,
(R35,35) , (R56,56) , (R55,55) , (R20,20) , (R57,57) , (R260,60) , (R55,55) ,
(R20,20) , (R220,20) , (R53,53) , (R50,50) , (R255,55) , (R57,57) , (R255,55) ,
(R58,58) , (R59,59) , (R50,50) , (R55,55) , (R53,53) , (R50,50) , (R20,20) , (R35,35)
, (R20,20) , (R56,56) , (R260,60) , (R58,58) , (R20,20) , (R260,60) , (R60,60) ,
(R50,50) , (R54,54) , (R255,55) , (R50,50) , (R53,53) , (R58,58) , (R260,60) ,
(R60,60) , (R50,50) , (R54,54) , (R58,58) , (R59,59) , (R260,60) , (R55,55) ,
(R255,55) , (R55,55) , (R60,60) , (R59,59) , (R360,60) , (R55,55) , (R60,60) ,
(R59,59) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R57,57) , (R60,60) ,
(R260,60) , (R360,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) , (R60,60) ,
(R260,60) , (R260,60)

Rule which is executed and removed from the heap : R260

==

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule16 *********

 Activated rules in the Agenda Manager are :

(R50,50) , (R20,20) , (R5,5) , (R210,10) , (R35,35) , (R220,20) , (R20,20) , (R15,15)
, (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) ,
(R10,10) , (R310,10) , (R35,35) , (R20,20) , (R15,15) , (R35,35) , (R35,35) , (R3,3)
, (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) ,
(R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R5,5)
, (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R15,15) , (R210,10) , (R50,50) , (R10,10)
, (R10,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35) ,
(R15,15) , (R210,10) , (R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15) ,
(R3,3) , (R5,5) , (R35,35) , (R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) ,
(R20,20) , (R10,10) , (R56,56) , (R210,10) , (R15,15) , (R10,10) , (R220,20) ,
(R310,10) , (R50,50) , (R3,3) , (R3,3) , (R5,5) , (R5,5) , (R20,20) , (R210,10) ,

(R10,10) , (R5,5) , (R54,54) , (R310,10) , (R57,57) , (R35,35) , (R50,50) , (R35,35) , (R15,15) , (R210,10) , (R55,55) , (R50,50) , (R53,53) , (R50,50) , (R50,50) , (R310,10) , (R54,54) , (R35,35) , (R20,20) , (R55,55) , (R20,20) , (R210,10) , (R15,15) , (R35,35) , (R56,56) , (R55,55) , (R20,20) , (R57,57) , (R260,60) , (R55,55) , (R20,20) , (R220,20) , (R53,53) , (R50,50) , (R255,55) , (R57,57) , (R255,55) , (R58,58) , (R59,59) , (R50,50) , (R55,55) , (R53,53) , (R50,50) , (R20,20) , (R35,35) , (R20,20) , (R56,56) , (R260,60) , (R58,58) , (R20,20) , (R260,60) , (R60,60) , (R50,50) , (R54,54) , (R55,55) , (R50,50) , (R53,53) , (R58,58) , (R260,60) , (R60,60) , (R50,50) , (R54,54) , (R58,58) , (R59,59) , (R260,60) , (R55,55) , (R255,55) , (R55,55) , (R60,60) , (R59,59) , (R360,60) , (R55,55) , (R255,55) , (R59,59) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R57,57) , (R60,60) , (R260,60) , (R60,60) , (R260,60) , (R360,60) , (R360,60) , (R360,60) , (R60,60) , (R60,60) , (R260,60)

Rule which is executed and removed from the heap : R260

==

(R80, 80) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R275, 75) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule17 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R5,5) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R210,10) ,
(R15,15) , (R10,10) , (R20,20) , (R5,5) , (R54,54) , (R20,20) , (R5,5) , (R210,10) ,
(R35,35) , (R220,20) , (R20,20) , (R15,15) , (R15,15) , (R210,10) , (R15,15) ,
(R10,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) , (R10,10) , (R310,10) , (R35,35) ,
(R20,20) , (R15,15) , (R35,35) , (R35,35) , (R3,3) , (R20,20) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) , (R15,15) , (R310,10) ,
(R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R5,5) , (R10,10) , (R3,3) ,
(R3,3) , (R15,15) , (R15,15) , (R210,10) , (R50,50) , (R10,10) , (R10,10) , (R5,5) ,
(R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35) , (R15,15) , (R210,10) ,
(R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15) , (R3,3) , (R5,5) ,
(R35,35) , (R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) , (R20,20) , (R10,10)
, (R56,56) , (R210,10) , (R15,15) , (R10,10) , (R220,20) , (R310,10) , (R50,50) ,
(R3,3) , (R3,3) , (R50,50) , (R20,20) , (R20,20) , (R260,60) , (R35,35) , (R55,55) ,
(R56,56) , (R310,10) , (R57,57) , (R35,35) , (R50,50) , (R35,35) , (R15,15) ,
(R210,10) , (R55,55) , (R50,50) , (R53,53) , (R50,50) , (R50,50) , (R310,10) ,
(R54,54) , (R35,35) , (R20,20) , (R55,55) , (R20,20) , (R210,10) , (R15,15) ,
(R35,35) , (R50,50) , (R55,55) , (R20,20) , (R57,57) , (R260,60) , (R55,55) ,
(R20,20) , (R220,20) , (R53,53) , (R50,50) , (R255,55) , (R57,57) , (R255,55) ,
(R58,58) , (R59,59) , (R50,50) , (R55,55) , (R53,53) , (R50,50) , (R55,55) , (R60,60)
, (R57,57) , (R60,60) , (R260,60) , (R58,58) , (R20,20) , (R260,60) , (R60,60) ,
(R50,50) , (R54,54) , (R55,55) , (R50,50) , (R53,53) , (R56,56) , (R260,60) ,
(R60,60) , (R50,50) , (R54,54) , (R58,58) , (R59,59) , (R260,60) , (R55,55) ,
(R255,55) , (R360,60) , (R60,60) , (R59,59) , (R360,60) , (R55,55) , (R255,55) ,
(R58,58) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R360,60) , (R360,60) ,
(R260,60) , (R59,59) , (R260,60) , (R360,60) , (R60,60) , (R60,60) , (R60,60) ,
(R275,75) , (R80,80)

Rule which is executed and removed from the heap : R80

==

(R275, 75) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule18 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R53,53) , (R50,50) ,
(R15,15) , (R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20) , (R5,5)
, (R54,54) , (R20,20) , (R5,5) , (R210,10) , (R35,35) , (R220,20) , (R20,20) ,
(R15,15) , (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) ,
(R5,5) , (R10,10) , (R310,10) , (R35,35) , (R20,20) , (R15,15) , (R20,20) , (R35,35)
, (R3,3) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) ,
(R3,3) , (R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5)
, (R5,5) , (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R15,15) , (R210,10) , (R50,50) ,
(R10,10) , (R10,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35)
, (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15)
, (R3,3) , (R5,5) , (R35,35) , (R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) ,
(R20,20) , (R10,10) , (R56,56) , (R210,10) , (R15,15) , (R50,50) , (R220,20) ,
(R310,10) , (R55,55) , (R35,35) , (R60,60) , (R55,55) , (R20,20) , (R20,20) ,
(R260,60) , (R35,35) , (R55,55) , (R56,56) , (R310,10) , (R57,57) , (R35,35) ,
(R50,50) , (R35,35) , (R15,15) , (R210,10) , (R55,55) , (R50,50) , (R35,35) ,
(R50,50) , (R50,50) , (R310,10) , (R54,54) , (R35,35) , (R20,20) , (R55,55) ,
(R20,20) , (R210,10) , (R15,15) , (R35,35) , (R50,50) , (R55,55) , (R20,20) ,
(R57,57) , (R260,60) , (R55,55) , (R20,20) , (R220,20) , (R53,53) , (R50,50) ,
(R255,55) , (R57,57) , (R255,55) , (R58,58) , (R59,59) , (R50,50) , (R55,55) ,
(R55,55) , (R360,60) , (R255,55) , (R60,60) , (R57,57) , (R60,60) , (R260,60) ,
(R58,58) , (R20,20) , (R260,60) , (R53,53) , (R50,50) , (R54,54) , (R55,55) ,
(R50,50) , (R53,53) , (R56,56) , (R260,60) , (R60,60) , (R50,50) , (R54,54) ,
(R58,58) , (R59,59) , (R260,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) ,
(R59,59) , (R60,60) , (R55,55) , (R255,55) , (R58,58) , (R60,60) , (R360,60) ,
(R60,60) , (R60,60) , (R60,60) , (R360,60) , (R360,60) , (R59,59) , (R260,60) ,
(R360,60) , (R60,60) , (R260,60) , (R60,60) , (R275,75) , (R275,75)

Rule which is executed and removed from the heap : R275

===

(R360, 60) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule19 *********

 Activated rules in the Agenda Manager are :

(R310,10) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R56,56) , (R55,55) ,
(R15,15) , (R210,10) , (R35,35) , (R15,15) , (R50,50) , (R10,10) , (R20,20) , (R5,5)
, (R210,10) , (R10,10) , (R53,53) , (R50,50) , (R15,15) , (R3,3) , (R50,50) , (R3,3)
, (R50,50) , (R5,5) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R210,10) ,
(R15,15) , (R10,10) , (R20,20) , (R5,5) , (R54,54) , (R20,20) , (R5,5) , (R210,10) ,
(R35,35) , (R220,20) , (R20,20) , (R15,15) , (R15,15) , (R210,10) , (R15,15) ,
(R10,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) , (R10,10) , (R3,3) , (R35,35) ,
(R20,20) , (R15,15) , (R20,20) , (R35,35) , (R3,3) , (R20,20) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) , (R15,15) , (R310,10) ,
(R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R5,5) , (R10,10) , (R3,3) ,
(R3,3) , (R15,15) , (R15,15) , (R210,10) , (R50,50) , (R10,10) , (R10,10) , (R5,5) ,
(R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35) , (R15,15) , (R210,10) ,
(R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15) , (R3,3) , (R5,5) ,
(R35,35) , (R35,35) , (R35,35) , (R55,55) , (R20,20) , (R56,56) , (R20,20) , (R10,10)
, (R59,59) , (R20,20) , (R50,50) , (R55,55) , (R220,20) , (R310,10) , (R55,55) ,
(R35,35) , (R60,60) , (R55,55) , (R20,20) , (R20,20) , (R260,60) , (R35,35) ,
(R55,55) , (R56,56) , (R310,10) , (R57,57) , (R35,35) , (R50,50) , (R35,35) ,
(R15,15) , (R210,10) , (R310,10) , (R50,50) , (R35,35) , (R50,50) , (R50,50) ,
(R310,10) , (R54,54) , (R35,35) , (R20,20) , (R55,55) , (R20,20) , (R210,10) ,
(R15,15) , (R35,35) , (R50,50) , (R55,55) , (R20,20) , (R57,57) , (R260,60) ,
(R55,55) , (R20,20) , (R220,20) , (R53,53) , (R50,50) , (R255,55) , (R57,57) ,
(R255,55) , (R58,58) , (R260,60) , (R60,60) , (R360,60) , (R55,55) , (R360,60) ,
(R255,55) , (R60,60) , (R57,57) , (R60,60) , (R260,60) , (R58,58) , (R20,20) ,
(R55,55) , (R53,53) , (R50,50) , (R54,54) , (R55,55) , (R50,50) , (R53,53) , (R56,56)
, (R260,60) , (R60,60) , (R50,50) , (R54,54) , (R58,58) , (R59,59) , (R260,60) ,
(R260,60) , (R360,60) , (R360,60) , (R60,60) , (R59,59) , (R260,60) , (R55,55) ,

```
(R255,55) , (R58,58) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R60,60) ,
(R360,60) , (R60,60) , (R59,59) , (R260,60) , (R360,60) , (R60,60) , (R360,60) ,
(R60,60) , (R260,60) , (R275,75)
```

Rule which is executed and removed from the heap : R275

==

(R95, 95) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule20 *********

 Activated rules in the Agenda Manager are :

```
(R20,20) , (R15,15) , (R35,35) , (R20,20) , (R56,56) , (R50,50) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R56,56) , (R55,55) , (R15,15) , (R210,10) , (R35,35) ,
(R15,15) , (R50,50) , (R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R53,53)
, (R50,50) , (R15,15) , (R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20)
, (R5,5) , (R54,54) , (R20,20) , (R5,5) , (R210,10) , (R35,35) , (R220,20) , (R20,20)
, (R15,15) , (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5)
, (R5,5) , (R10,10) , (R3,3) , (R310,10) , (R20,20) , (R15,15) , (R20,20) , (R35,35)
, (R3,3) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) ,
(R3,3) , (R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5)
, (R5,5) , (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R15,15) , (R210,10) , (R50,50) ,
(R10,10) , (R10,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35)
, (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15)
, (R3,3) , (R5,5) , (R35,35) , (R35,35) , (R35,35) , (R55,55) , (R255,55) , (R58,58)
, (R20,20) , (R10,10) , (R59,59) , (R20,20) , (R50,50) , (R55,55) , (R220,20) ,
(R310,10) , (R55,55) , (R35,35) , (R60,60) , (R55,55) , (R20,20) , (R20,20) ,
(R260,60) , (R35,35) , (R55,55) , (R56,56) , (R310,10) , (R57,57) , (R35,35) ,
(R50,50) , (R35,35) , (R15,15) , (R210,10) , (R310,10) , (R35,35) , (R35,35) ,
(R50,50) , (R50,50) , (R310,10) , (R54,54) , (R35,35) , (R20,20) , (R55,55) ,
(R20,20) , (R210,10) , (R15,15) , (R35,35) , (R50,50) , (R55,55) , (R20,20) ,
(R57,57) , (R260,60) , (R55,55) , (R20,20) , (R220,20) , (R53,53) , (R50,50) ,
(R255,55) , (R57,57) , (R60,60) , (R59,59) , (R260,60) , (R60,60) , (R360,60) ,
(R55,55) , (R360,60) , (R255,55) , (R60,60) , (R57,57) , (R60,60) , (R260,60) ,
(R58,58) , (R20,20) , (R50,50) , (R53,53) , (R50,50) , (R54,54) , (R55,55) , (R50,50)
, (R53,53) , (R56,56) , (R260,60) , (R60,60) , (R50,50) , (R54,54) , (R58,58) ,
(R60,60) , (R260,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) , (R59,59) ,
```

(R55,55) , (R55,55) , (R255,55) , (R58,58) , (R60,60) , (R360,60) , (R360,60) , (R60,60) , (R60,60) , (R360,60) , (R260,60) , (R59,59) , (R260,60) , (R60,60) , (R60,60) , (R60,60) , (R260,60) , (R360,60) , (R95,95)

Rule which is executed and removed from the heap : R95

==

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule21 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R35,35) , (R35,35) , (R15,15) , (R15,15) , (R35,35) , (R20,20) , (R56,56) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R56,56) , (R55,55) , (R15,15) , (R210,10) , (R35,35) , (R15,15) , (R50,50) , (R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R53,53) , (R50,50) , (R15,15) , (R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20) , (R5,5) , (R54,54) , (R20,20) , (R5,5) , (R210,10) , (R35,35) , (R220,20) , (R20,20) , (R15,15) , (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) , (R10,10) , (R3,3) , (R310,10) , (R20,20) , (R15,15) , (R20,20) , (R35,35) , (R3,3) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) , (R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R5,5) , (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R15,15) , (R210,10) , (R50,50) , (R10,10) , (R10,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35) , (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R3,3) , (R310,10) , (R5,5) , (R15,15) , (R3,3) , (R50,50) , (R35,35) , (R58,58) , (R57,57) , (R55,55) , (R255,55) , (R58,58) , (R20,20) , (R10,10) , (R59,59) , (R20,20) , (R50,50) , (R55,55) , (R220,20) , (R310,10) , (R55,55) , (R35,35) , (R60,60) , (R55,55) , (R20,20) , (R20,20) , (R260,60) , (R35,35) , (R55,55) , (R56,56) , (R310,10) , (R57,57) ,

```
(R35,35) , (R50,50) , (R35,35) , (R15,15) , (R210,10) , (R310,10) , (R35,35) ,
(R35,35) , (R50,50) , (R50,50) , (R310,10) , (R20,20) , (R35,35) , (R20,20) ,
(R55,55) , (R20,20) , (R210,10) , (R15,15) , (R35,35) , (R50,50) , (R55,55) ,
(R20,20) , (R57,57) , (R260,60) , (R55,55) , (R20,20) , (R220,20) , (R53,53) ,
(R50,50) , (R255,55) , (R260,60) , (R60,60) , (R59,59) , (R260,60) , (R60,60) ,
(R360,60) , (R55,55) , (R360,60) , (R255,55) , (R60,60) , (R57,57) , (R60,60) ,
(R260,60) , (R58,58) , (R20,20) , (R50,50) , (R53,53) , (R50,50) , (R54,54) ,
(R55,55) , (R50,50) , (R53,53) , (R56,56) , (R260,60) , (R60,60) , (R50,50) ,
(R54,54) , (R60,60) , (R60,60) , (R260,60) , (R260,60) , (R360,60) , (R360,60) ,
(R60,60) , (R59,59) , (R55,55) , (R54,54) , (R255,55) , (R58,58) , (R60,60) ,
(R360,60) , (R360,60) , (R60,60) , (R60,60) , (R360,60) , (R55,55) , (R59,59) ,
(R260,60) , (R60,60) , (R60,60) , (R260,60) , (R260,60) , (R60,60) , (R360,60)
```

Rule which is executed and removed from the heap : R360

==

(R80, 80) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R275, 75) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule22 *********

 Activated rules in the Agenda Manager are :

```
(R220,20) , (R10,10) , (R5,5) , (R3,3) , (R210,10) , (R10,10) , (R53,53) , (R5,5) ,
(R15,15) , (R15,15) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) , (R210,10) ,
(R10,10) , (R35,35) , (R35,35) , (R35,35) , (R15,15) , (R15,15) , (R35,35) , (R20,20)
, (R56,56) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R56,56) , (R55,55)
, (R15,15) , (R210,10) , (R35,35) , (R15,15) , (R50,50) , (R10,10) , (R20,20) ,
(R5,5) , (R210,10) , (R10,10) , (R53,53) , (R50,50) , (R15,15) , (R3,3) , (R50,50) ,
(R3,3) , (R50,50) , (R5,5) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) ,
(R210,10) , (R15,15) , (R10,10) , (R20,20) , (R5,5) , (R54,54) , (R20,20) , (R5,5) ,
(R210,10) , (R35,35) , (R220,20) , (R20,20) , (R15,15) , (R15,15) , (R210,10) ,
(R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) , (R10,10) , (R3,3) ,
(R310,10) , (R20,20) , (R15,15) , (R20,20) , (R35,35) , (R3,3) , (R20,20) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) , (R15,15) , (R310,10)
, (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R5,5) , (R10,10) , (R3,3) ,
(R3,3) , (R15,15) , (R15,15) , (R210,10) , (R20,20) , (R10,10) , (R10,10) , (R5,5) ,
(R210,10) , (R10,10) , (R55,55) , (R310,10) , (R35,35) , (R15,15) , (R210,10) ,
(R15,15) , (R50,50) , (R20,20) , (R310,10) , (R260,60) , (R35,35) , (R54,54) ,
(R255,55) , (R35,35) , (R58,58) , (R57,57) , (R55,55) , (R255,55) , (R58,58) ,
(R20,20) , (R10,10) , (R59,59) , (R20,20) , (R50,50) , (R55,55) , (R220,20) ,
(R310,10) , (R55,55) , (R35,35) , (R60,60) , (R55,55) , (R20,20) , (R20,20) ,
(R260,60) , (R35,35) , (R55,55) , (R56,56) , (R310,10) , (R57,57) , (R35,35) ,
(R50,50) , (R35,35) , (R15,15) , (R210,10) , (R310,10) , (R35,35) , (R35,35) ,
(R50,50) , (R50,50) , (R310,10) , (R20,20) , (R35,35) , (R20,20) , (R55,55) ,
(R20,20) , (R210,10) , (R15,15) , (R35,35) , (R50,50) , (R50,50) , (R20,20) ,
(R57,57) , (R260,60) , (R55,55) , (R20,20) , (R50,50) , (R60,60) , (R360,60) ,
(R60,60) , (R260,60) , (R60,60) , (R59,59) , (R260,60) , (R60,60) , (R360,60) ,
(R55,55) , (R360,60) , (R255,55) , (R60,60) , (R57,57) , (R60,60) , (R260,60) ,
(R58,58) , (R20,20) , (R50,50) , (R53,53) , (R50,50) , (R54,54) , (R55,55) , (R50,50)
, (R53,53) , (R55,55) , (R260,60) , (R60,60) , (R55,55) , (R360,60) , (R360,60) ,
(R60,60) , (R260,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) , (R59,59) ,
(R55,55) , (R54,54) , (R255,55) , (R56,56) , (R60,60) , (R260,60) , (R60,60) ,
(R60,60) , (R60,60) , (R360,60) , (R55,55) , (R58,58) , (R60,60) , (R260,60) ,
(R60,60) , (R59,59) , (R275,75) , (R260,60) , (R80,80)

Rule which is executed and removed from the heap : R80
```

===

```
(R275, 75) ----> is the new rule added to the queue(heap)

(R360, 60) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)
```

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule23 *********

 Activated rules in the Agenda Manager are :

(R3,3) , (R50,50) , (R310,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R15,15) ,
(R15,15) , (R210,10) , (R20,20) , (R15,15) , (R50,50) , (R10,10) , (R5,5) , (R3,3) ,
(R210,10) , (R10,10) , (R53,53) , (R5,5) , (R15,15) , (R15,15) , (R50,50) , (R3,3) ,
(R50,50) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R35,35) , (R35,35) ,
(R15,15) , (R15,15) , (R35,35) , (R20,20) , (R56,56) , (R50,50) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R56,56) , (R55,55) , (R15,15) , (R210,10) , (R35,35) ,
(R15,15) , (R220,20) , (R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R53,53)
, (R50,50) , (R15,15) , (R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20)
, (R5,5) , (R54,54) , (R20,20) , (R5,5) , (R210,10) , (R35,35) , (R220,20) , (R20,20)
, (R15,15) , (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5)
, (R5,5) , (R10,10) , (R3,3) , (R310,10) , (R20,20) , (R15,15) , (R20,20) , (R35,35)
, (R3,3) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) ,
(R3,3) , (R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5)
, (R5,5) , (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R15,15) , (R210,10) , (R20,20) ,
(R10,10) , (R10,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R20,20) , (R35,35)
, (R55,55) , (R35,35) , (R60,60) , (R50,50) , (R20,20) , (R310,10) , (R260,60) ,
(R35,35) , (R54,54) , (R255,55) , (R35,35) , (R58,58) , (R57,57) , (R55,55) ,
(R255,55) , (R58,58) , (R20,20) , (R10,10) , (R59,59) , (R20,20) , (R50,50) ,
(R50,50) , (R220,20) , (R310,10) , (R55,55) , (R35,35) , (R60,60) , (R55,55) ,
(R20,20) , (R20,20) , (R260,60) , (R35,35) , (R55,55) , (R56,56) , (R310,10) ,
(R57,57) , (R35,35) , (R50,50) , (R35,35) , (R15,15) , (R210,10) , (R310,10) ,
(R35,35) , (R35,35) , (R50,50) , (R50,50) , (R310,10) , (R20,20) , (R35,35) ,
(R20,20) , (R55,55) , (R20,20) , (R210,10) , (R15,15) , (R35,35) , (R50,50) ,
(R50,50) , (R20,20) , (R57,57) , (R260,60) , (R260,60) , (R360,60) , (R55,55) ,
(R60,60) , (R360,60) , (R60,60) , (R260,60) , (R60,60) , (R59,59) , (R260,60) ,
(R60,60) , (R55,55) , (R55,55) , (R360,60) , (R255,55) , (R60,60) , (R57,57) ,
(R60,60) , (R260,60) , (R58,58) , (R20,20) , (R50,50) , (R53,53) , (R50,50) ,
(R54,54) , (R55,55) , (R50,50) , (R53,53) , (R55,55) , (R260,60) , (R60,60) ,
(R260,60) , (R360,60) , (R360,60) , (R60,60) , (R260,60) , (R360,60) , (R360,60) ,
(R360,60) , (R60,60) , (R59,59) , (R55,55) , (R54,54) , (R255,55) , (R56,56) ,
(R60,60) , (R60,60) , (R60,60) , (R260,60) , (R60,60) , (R360,60) , (R55,55) ,
(R58,58) , (R260,60) , (R60,60) , (R60,60) , (R59,59) , (R275,75) , (R260,60) ,
(R275,75)

Rule which is executed and removed from the heap : R275

==

(R360, 60) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

(R55, 55) ----> is the new rule added to the queue(heap)

(R260, 60) ----> is the new rule added to the queue(heap)

(R10, 10) ----> is the new rule added to the queue(heap)

(R210, 10) ----> is the new rule added to the queue(heap)

(R5, 5) ----> is the new rule added to the queue(heap)

(R3, 3) ----> is the new rule added to the queue(heap)

(R50, 50) ----> is the new rule added to the queue(heap)

(R310, 10) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule24 *********

 Activated rules in the Agenda Manager are :

(R310,10) , (R20,20) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R20,20) , (R5,5) ,
(R15,15) , (R210,10) , (R35,35) , (R10,10) , (R55,55) , (R50,50) , (R310,10) , (R5,5)
, (R210,10) , (R10,10) , (R55,55) , (R15,15) , (R15,15) , (R210,10) , (R20,20) ,
(R15,15) , (R50,50) , (R10,10) , (R5,5) , (R3,3) , (R210,10) , (R10,10) , (R53,53) ,
(R5,5) , (R15,15) , (R15,15) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R35,35) , (R35,35) , (R35,35) , (R15,15) , (R15,15) ,
(R35,35) , (R20,20) , (R56,56) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R10,10) ,
(R56,56) , (R55,55) , (R15,15) , (R210,10) , (R35,35) , (R15,15) , (R220,20) ,
(R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R3,3) , (R50,50) , (R15,15) ,
(R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) , (R5,5) , (R210,10) ,
(R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20) , (R5,5) , (R54,54)
, (R20,20) , (R5,5) , (R210,10) , (R35,35) , (R220,20) , (R20,20) , (R15,15) ,
(R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) ,

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(R10,10) , (R3,3) , (R310,10) , (R20,20) , (R15,15) , (R20,20) , (R35,35) , (R3,3) ,
(R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) ,
(R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R5,5)
, (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R15,15) , (R210,10) , (R50,50) , (R10,10)
, (R10,10) , (R55,55) , (R20,20) , (R57,57) , (R360,60) , (R20,20) , (R35,35) ,
(R55,55) , (R35,35) , (R60,60) , (R50,50) , (R20,20) , (R310,10) , (R260,60) ,
(R35,35) , (R54,54) , (R255,55) , (R35,35) , (R58,58) , (R57,57) , (R55,55) ,
(R255,55) , (R58,58) , (R20,20) , (R10,10) , (R59,59) , (R20,20) , (R50,50) ,
(R50,50) , (R220,20) , (R310,10) , (R53,53) , (R35,35) , (R60,60) , (R55,55) ,
(R20,20) , (R20,20) , (R260,60) , (R35,35) , (R55,55) , (R56,56) , (R310,10) ,
(R57,57) , (R35,35) , (R50,50) , (R35,35) , (R15,15) , (R210,10) , (R310,10) ,
(R35,35) , (R35,35) , (R50,50) , (R50,50) , (R310,10) , (R20,20) , (R35,35) ,
(R20,20) , (R55,55) , (R20,20) , (R210,10) , (R15,15) , (R35,35) , (R50,50) ,
(R50,50) , (R260,60) , (R60,60) , (R260,60) , (R260,60) , (R360,60) , (R55,55) ,
(R60,60) , (R360,60) , (R60,60) , (R260,60) , (R60,60) , (R59,59) , (R260,60) ,
(R60,60) , (R55,55) , (R55,55) , (R360,60) , (R255,55) , (R60,60) , (R57,57) ,
(R60,60) , (R260,60) , (R58,58) , (R20,20) , (R50,50) , (R53,53) , (R50,50) ,
(R54,54) , (R55,55) , (R50,50) , (R53,53) , (R55,55) , (R260,60) , (R60,60) ,
(R260,60) , (R360,60) , (R360,60) , (R60,60) , (R260,60) , (R55,55) , (R360,60) ,
(R360,60) , (R60,60) , (R59,59) , (R55,55) , (R54,54) , (R255,55) , (R56,56) ,
(R60,60) , (R60,60) , (R60,60) , (R360,60) , (R60,60) , (R360,60) , (R55,55) ,
(R58,58) , (R260,60) , (R260,60) , (R60,60) , (R59,59) , (R60,60) , (R260,60) ,
(R275,75)
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Rule which is executed and removed from the heap : R275

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(R95, 95) ----> is the new rule added to the queue(heap)

(R35, 35) ----> is the new rule added to the queue(heap)

(R60, 60) ----> is the new rule added to the queue(heap)

(R15, 15) ----> is the new rule added to the queue(heap)

(R20, 20) ----> is the new rule added to the queue(heap)

********* Current Rule in execution : Rule25 *********

 Activated rules in the Agenda Manager are :

```
(R15,15) , (R15,15) , (R35,35) , (R210,10) , (R50,50) , (R20,20) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R20,20) , (R5,5) , (R15,15) , (R210,10) , (R35,35) , (R10,10)
, (R55,55) , (R50,50) , (R310,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) ,
(R15,15) , (R15,15) , (R210,10) , (R20,20) , (R15,15) , (R50,50) , (R10,10) , (R5,5)
, (R3,3) , (R210,10) , (R10,10) , (R53,53) , (R5,5) , (R15,15) , (R15,15) , (R50,50)
, (R3,3) , (R50,50) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R35,35) ,
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(R35,35) , (R15,15) , (R15,15) , (R35,35) , (R20,20) , (R56,56) , (R50,50) , (R3,3) ,
(R5,5) , (R210,10) , (R10,10) , (R56,56) , (R55,55) , (R15,15) , (R210,10) , (R35,35)
, (R15,15) , (R220,20) , (R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R3,3)
, (R50,50) , (R15,15) , (R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20)
, (R5,5) , (R54,54) , (R20,20) , (R5,5) , (R210,10) , (R310,10) , (R220,20) ,
(R20,20) , (R15,15) , (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3)
, (R5,5) , (R5,5) , (R10,10) , (R3,3) , (R310,10) , (R20,20) , (R15,15) , (R20,20) ,
(R35,35) , (R3,3) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) ,
(R35,35) , (R3,3) , (R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) ,
(R210,10) , (R5,5) , (R5,5) , (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R20,20) ,
(R50,50) , (R50,50) , (R10,10) , (R10,10) , (R55,55) , (R20,20) , (R57,57) ,
(R360,60) , (R20,20) , (R35,35) , (R55,55) , (R35,35) , (R60,60) , (R50,50) ,
(R20,20) , (R310,10) , (R260,60) , (R35,35) , (R54,54) , (R255,55) , (R35,35) ,
(R58,58) , (R57,57) , (R55,55) , (R255,55) , (R58,58) , (R20,20) , (R10,10) ,
(R59,59) , (R20,20) , (R50,50) , (R50,50) , (R220,20) , (R310,10) , (R53,53) ,
(R35,35) , (R60,60) , (R55,55) , (R20,20) , (R20,20) , (R260,60) , (R35,35) ,
(R55,55) , (R56,56) , (R310,10) , (R35,35) , (R35,35) , (R50,50) , (R35,35) ,
(R15,15) , (R210,10) , (R310,10) , (R35,35) , (R35,35) , (R50,50) , (R50,50) ,
(R310,10) , (R20,20) , (R35,35) , (R20,20) , (R55,55) , (R20,20) , (R210,10) ,
(R15,15) , (R35,35) , (R56,56) , (R55,55) , (R260,60) , (R60,60) , (R260,60) ,
(R260,60) , (R360,60) , (R55,55) , (R60,60) , (R360,60) , (R60,60) , (R260,60) ,
(R60,60) , (R59,59) , (R260,60) , (R60,60) , (R55,55) , (R55,55) , (R360,60) ,
(R255,55) , (R60,60) , (R57,57) , (R60,60) , (R57,57) , (R58,58) , (R20,20) ,
(R50,50) , (R53,53) , (R50,50) , (R54,54) , (R55,55) , (R50,50) , (R53,53) , (R58,58)
, (R260,60) , (R60,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) , (R260,60) ,
(R55,55) , (R360,60) , (R360,60) , (R260,60) , (R59,59) , (R55,55) , (R54,54) ,
(R255,55) , (R59,59) , (R60,60) , (R60,60) , (R60,60) , (R360,60) , (R60,60) ,
(R60,60) , (R55,55) , (R60,60) , (R260,60) , (R260,60) , (R360,60) , (R60,60) ,
(R60,60) , (R260,60) , (R95,95)
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Rule which is executed and removed from the heap : R95

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********* Current Rule in execution : Rule26 *********

 Activated rules in the Agenda Manager are :

```
(R15,15) , (R15,15) , (R210,10) , (R50,50) , (R20,20) , (R3,3) , (R5,5) , (R210,10) ,
(R10,10) , (R20,20) , (R5,5) , (R15,15) , (R210,10) , (R35,35) , (R10,10) , (R55,55)
, (R50,50) , (R310,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R15,15) ,
(R15,15) , (R210,10) , (R20,20) , (R15,15) , (R50,50) , (R10,10) , (R5,5) , (R3,3) ,
(R210,10) , (R10,10) , (R53,53) , (R5,5) , (R15,15) , (R15,15) , (R50,50) , (R3,3) ,
(R50,50) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R35,35) , (R35,35) ,
(R15,15) , (R15,15) , (R35,35) , (R20,20) , (R56,56) , (R50,50) , (R3,3) , (R5,5) ,
(R210,10) , (R10,10) , (R56,56) , (R55,55) , (R15,15) , (R210,10) , (R35,35) ,
(R15,15) , (R220,20) , (R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R3,3) ,
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(R50,50) , (R15,15) , (R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20)
, (R5,5) , (R54,54) , (R20,20) , (R5,5) , (R210,10) , (R310,10) , (R220,20) ,
(R20,20) , (R15,15) , (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3)
, (R5,5) , (R5,5) , (R10,10) , (R3,3) , (R310,10) , (R20,20) , (R15,15) , (R20,20) ,
(R35,35) , (R3,3) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) ,
(R35,35) , (R3,3) , (R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) ,
(R210,10) , (R5,5) , (R5,5) , (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R20,20) ,
(R35,35) , (R50,50) , (R10,10) , (R10,10) , (R55,55) , (R20,20) , (R57,57) ,
(R360,60) , (R20,20) , (R35,35) , (R55,55) , (R35,35) , (R60,60) , (R50,50) ,
(R20,20) , (R310,10) , (R260,60) , (R35,35) , (R54,54) , (R255,55) , (R35,35) ,
(R58,58) , (R57,57) , (R55,55) , (R255,55) , (R58,58) , (R20,20) , (R10,10) ,
(R59,59) , (R20,20) , (R50,50) , (R50,50) , (R220,20) , (R310,10) , (R53,53) ,
(R35,35) , (R60,60) , (R55,55) , (R20,20) , (R20,20) , (R260,60) , (R35,35) ,
(R55,55) , (R56,56) , (R310,10) , (R35,35) , (R35,35) , (R50,50) , (R35,35) ,
(R15,15) , (R210,10) , (R310,10) , (R35,35) , (R35,35) , (R50,50) , (R50,50) ,
(R310,10) , (R20,20) , (R35,35) , (R20,20) , (R55,55) , (R20,20) , (R210,10) ,
(R15,15) , (R35,35) , (R50,50) , (R55,55) , (R260,60) , (R60,60) , (R260,60) ,
(R260,60) , (R360,60) , (R55,55) , (R60,60) , (R360,60) , (R60,60) , (R260,60) ,
(R60,60) , (R59,59) , (R260,60) , (R60,60) , (R55,55) , (R55,55) , (R360,60) ,
(R255,55) , (R60,60) , (R57,57) , (R60,60) , (R57,57) , (R58,58) , (R20,20) ,
(R50,50) , (R53,53) , (R50,50) , (R54,54) , (R55,55) , (R50,50) , (R53,53) , (R56,56)
, (R260,60) , (R60,60) , (R260,60) , (R360,60) , (R360,60) , (R60,60) , (R260,60) ,
(R55,55) , (R360,60) , (R360,60) , (R260,60) , (R59,59) , (R55,55) , (R54,54) ,
(R255,55) , (R58,58) , (R60,60) , (R60,60) , (R60,60) , (R360,60) , (R60,60) ,
(R60,60) , (R55,55) , (R59,59) , (R260,60) , (R260,60) , (R360,60) , (R60,60) ,
(R60,60) , (R60,60) , (R260,60)

Rule which is executed and removed from the heap : R260




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********* Current Rule in execution : Rule27 *********

 Activated rules in the Agenda Manager are :

(R15,15) , (R210,10) , (R15,15) , (R20,20) , (R3,3) , (R5,5) , (R210,10) , (R10,10) ,
(R20,20) , (R5,5) , (R15,15) , (R210,10) , (R35,35) , (R10,10) , (R55,55) , (R50,50)
, (R310,10) , (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R15,15) , (R15,15) ,
(R210,10) , (R20,20) , (R15,15) , (R50,50) , (R10,10) , (R5,5) , (R3,3) , (R210,10) ,
(R10,10) , (R53,53) , (R5,5) , (R15,15) , (R15,15) , (R50,50) , (R3,3) , (R50,50) ,
(R5,5) , (R5,5) , (R210,10) , (R10,10) , (R35,35) , (R35,35) , (R35,35) , (R15,15) ,
(R15,15) , (R35,35) , (R20,20) , (R56,56) , (R50,50) , (R3,3) , (R5,5) , (R210,10) ,
(R10,10) , (R56,56) , (R55,55) , (R15,15) , (R210,10) , (R35,35) , (R15,15) ,
(R220,20) , (R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R3,3) , (R50,50) ,
(R15,15) , (R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20) , (R5,5)
, (R54,54) , (R20,20) , (R5,5) , (R210,10) , (R310,10) , (R220,20) , (R20,20) ,
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(R15,15) , (R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) ,
(R5,5) , (R10,10) , (R3,3) , (R310,10) , (R20,20) , (R15,15) , (R20,20) , (R35,35) ,
(R3,3) , (R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) ,
(R3,3) , (R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5)
, (R5,5) , (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R20,20) , (R35,35) , (R50,50) ,
(R10,10) , (R10,10) , (R55,55) , (R20,20) , (R57,57) , (R360,60) , (R20,20) ,
(R35,35) , (R55,55) , (R35,35) , (R60,60) , (R50,50) , (R20,20) , (R310,10) ,
(R260,60) , (R35,35) , (R54,54) , (R255,55) , (R35,35) , (R58,58) , (R57,57) ,
(R55,55) , (R255,55) , (R58,58) , (R20,20) , (R10,10) , (R59,59) , (R20,20) ,
(R50,50) , (R50,50) , (R220,20) , (R310,10) , (R53,53) , (R35,35) , (R60,60) ,
(R55,55) , (R20,20) , (R20,20) , (R260,60) , (R35,35) , (R55,55) , (R56,56) ,
(R310,10) , (R35,35) , (R35,35) , (R50,50) , (R35,35) , (R15,15) , (R210,10) ,
(R310,10) , (R35,35) , (R35,35) , (R50,50) , (R50,50) , (R310,10) , (R20,20) ,
(R35,35) , (R20,20) , (R55,55) , (R20,20) , (R210,10) , (R15,15) , (R35,35) ,
(R50,50) , (R50,50) , (R260,60) , (R60,60) , (R260,60) , (R260,60) , (R360,60) ,
(R55,55) , (R60,60) , (R360,60) , (R60,60) , (R260,60) , (R60,60) , (R59,59) ,
(R260,60) , (R60,60) , (R55,55) , (R55,55) , (R360,60) , (R255,55) , (R60,60) ,
(R57,57) , (R60,60) , (R57,57) , (R58,58) , (R20,20) , (R50,50) , (R53,53) , (R50,50)
, (R54,54) , (R55,55) , (R50,50) , (R53,53) , (R55,55) , (R260,60) , (R60,60) ,
(R260,60) , (R360,60) , (R360,60) , (R60,60) , (R260,60) , (R55,55) , (R360,60) ,
(R360,60) , (R260,60) , (R59,59) , (R55,55) , (R54,54) , (R255,55) , (R56,56) ,
(R60,60) , (R60,60) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R55,55) ,
(R58,58) , (R260,60) , (R260,60) , (R360,60) , (R59,59) , (R60,60) , (R60,60) ,
(R60,60)

Rule which is executed and removed from the heap : R60




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********* Current Rule in execution : Rule28 *********

 Activated rules in the Agenda Manager are :

(R210,10) , (R15,15) , (R20,20) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R20,20) ,
(R5,5) , (R15,15) , (R210,10) , (R35,35) , (R10,10) , (R55,55) , (R50,50) , (R310,10)
, (R5,5) , (R210,10) , (R10,10) , (R55,55) , (R15,15) , (R15,15) , (R210,10) ,
(R20,20) , (R15,15) , (R50,50) , (R10,10) , (R5,5) , (R3,3) , (R210,10) , (R10,10) ,
(R53,53) , (R5,5) , (R15,15) , (R15,15) , (R50,50) , (R3,3) , (R50,50) , (R5,5) ,
(R5,5) , (R210,10) , (R10,10) , (R35,35) , (R35,35) , (R35,35) , (R15,15) , (R15,15)
, (R35,35) , (R20,20) , (R56,56) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R10,10)
, (R56,56) , (R55,55) , (R15,15) , (R210,10) , (R35,35) , (R15,15) , (R220,20) ,
(R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R3,3) , (R50,50) , (R15,15) ,
(R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) , (R5,5) , (R210,10) ,
(R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20) , (R5,5) , (R15,15)
, (R20,20) , (R5,5) , (R210,10) , (R310,10) , (R220,20) , (R20,20) , (R15,15) ,
(R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) ,
(R10,10) , (R3,3) , (R310,10) , (R20,20) , (R15,15) , (R20,20) , (R35,35) , (R3,3) ,
(R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) ,
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(R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R5,5)
, (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R20,20) , (R35,35) , (R50,50) , (R10,10) ,
(R10,10) , (R55,55) , (R20,20) , (R57,57) , (R360,60) , (R20,20) , (R35,35) ,
(R55,55) , (R35,35) , (R60,60) , (R50,50) , (R20,20) , (R310,10) , (R260,60) ,
(R35,35) , (R54,54) , (R255,55) , (R35,35) , (R58,58) , (R57,57) , (R55,55) ,
(R255,55) , (R58,58) , (R20,20) , (R10,10) , (R59,59) , (R20,20) , (R50,50) ,
(R50,50) , (R220,20) , (R310,10) , (R53,53) , (R35,35) , (R60,60) , (R55,55) ,
(R20,20) , (R20,20) , (R260,60) , (R35,35) , (R55,55) , (R54,54) , (R310,10) ,
(R35,35) , (R35,35) , (R50,50) , (R35,35) , (R15,15) , (R210,10) , (R310,10) ,
(R35,35) , (R35,35) , (R50,50) , (R50,50) , (R310,10) , (R20,20) , (R35,35) ,
(R20,20) , (R55,55) , (R20,20) , (R210,10) , (R15,15) , (R35,35) , (R50,50) ,
(R50,50) , (R260,60) , (R60,60) , (R260,60) , (R260,60) , (R360,60) , (R55,55) ,
(R60,60) , (R360,60) , (R60,60) , (R260,60) , (R60,60) , (R59,59) , (R260,60) ,
(R60,60) , (R55,55) , (R55,55) , (R360,60) , (R255,55) , (R60,60) , (R57,57) ,
(R56,56) , (R57,57) , (R58,58) , (R20,20) , (R50,50) , (R53,53) , (R50,50) , (R54,54)
, (R55,55) , (R50,50) , (R53,53) , (R55,55) , (R260,60) , (R60,60) , (R260,60) ,
(R360,60) , (R360,60) , (R60,60) , (R260,60) , (R55,55) , (R360,60) , (R360,60) ,
(R60,60) , (R59,59) , (R55,55) , (R54,54) , (R255,55) , (R56,56) , (R60,60) ,
(R60,60) , (R60,60) , (R360,60) , (R60,60) , (R260,60) , (R55,55) , (R58,58) ,
(R260,60) , (R260,60) , (R60,60) , (R59,59) , (R60,60) , (R360,60) , (R60,60)

Rule which is executed and removed from the heap : R60

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********* Current Rule in execution : Rule29 *********

 Activated rules in the Agenda Manager are :

(R15,15) , (R20,20) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R20,20) , (R5,5) ,
(R15,15) , (R210,10) , (R35,35) , (R10,10) , (R55,55) , (R50,50) , (R310,10) , (R5,5)
, (R210,10) , (R10,10) , (R55,55) , (R15,15) , (R15,15) , (R210,10) , (R20,20) ,
(R15,15) , (R50,50) , (R10,10) , (R5,5) , (R3,3) , (R210,10) , (R10,10) , (R53,53) ,
(R5,5) , (R15,15) , (R15,15) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R35,35) , (R35,35) , (R35,35) , (R15,15) , (R15,15) ,
(R35,35) , (R20,20) , (R56,56) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R10,10) ,
(R56,56) , (R55,55) , (R15,15) , (R210,10) , (R35,35) , (R15,15) , (R220,20) ,
(R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R3,3) , (R50,50) , (R15,15) ,
(R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) , (R5,5) , (R210,10) ,
(R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20) , (R5,5) , (R15,15)
, (R20,20) , (R5,5) , (R210,10) , (R310,10) , (R220,20) , (R210,10) , (R15,15) ,
(R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) ,
(R10,10) , (R3,3) , (R310,10) , (R20,20) , (R15,15) , (R20,20) , (R35,35) , (R3,3) ,
(R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) ,
(R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R5,5)
, (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R20,20) , (R35,35) , (R50,50) , (R10,10) ,
(R10,10) , (R55,55) , (R20,20) , (R57,57) , (R360,60) , (R20,20) , (R35,35) ,
(R55,55) , (R35,35) , (R60,60) , (R50,50) , (R20,20) , (R310,10) , (R260,60) ,

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(R35,35) , (R54,54) , (R255,55) , (R35,35) , (R58,58) , (R57,57) , (R55,55) ,
(R255,55) , (R58,58) , (R20,20) , (R10,10) , (R59,59) , (R20,20) , (R50,50) ,
(R50,50) , (R220,20) , (R310,10) , (R53,53) , (R35,35) , (R60,60) , (R55,55) ,
(R20,20) , (R20,20) , (R260,60) , (R35,35) , (R55,55) , (R54,54) , (R310,10) ,
(R35,35) , (R20,20) , (R50,50) , (R35,35) , (R15,15) , (R210,10) , (R310,10) ,
(R35,35) , (R35,35) , (R50,50) , (R50,50) , (R310,10) , (R20,20) , (R35,35) ,
(R20,20) , (R55,55) , (R20,20) , (R210,10) , (R15,15) , (R35,35) , (R50,50) ,
(R50,50) , (R260,60) , (R60,60) , (R260,60) , (R260,60) , (R360,60) , (R55,55) ,
(R60,60) , (R360,60) , (R60,60) , (R260,60) , (R60,60) , (R59,59) , (R260,60) ,
(R60,60) , (R55,55) , (R55,55) , (R360,60) , (R255,55) , (R60,60) , (R57,57) ,
(R56,56) , (R35,35) , (R58,58) , (R20,20) , (R50,50) , (R53,53) , (R50,50) , (R54,54)
, (R55,55) , (R50,50) , (R53,53) , (R55,55) , (R260,60) , (R60,60) , (R260,60) ,
(R360,60) , (R360,60) , (R60,60) , (R260,60) , (R55,55) , (R360,60) , (R360,60) ,
(R57,57) , (R59,59) , (R55,55) , (R54,54) , (R255,55) , (R56,56) , (R60,60) ,
(R60,60) , (R60,60) , (R360,60) , (R60,60) , (R60,60) , (R55,55) , (R58,58) ,
(R260,60) , (R260,60) , (R260,60) , (R59,59) , (R60,60) , (R60,60) , (R360,60)


Rule which is executed and removed from the heap : R360




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********* Current Rule in execution : Rule30 *********

 Activated rules in the Agenda Manager are :

(R20,20) , (R3,3) , (R5,5) , (R210,10) , (R10,10) , (R20,20) , (R5,5) , (R15,15) ,
(R210,10) , (R35,35) , (R10,10) , (R55,55) , (R50,50) , (R310,10) , (R5,5) ,
(R210,10) , (R10,10) , (R55,55) , (R15,15) , (R15,15) , (R210,10) , (R20,20) ,
(R15,15) , (R50,50) , (R10,10) , (R5,5) , (R3,3) , (R210,10) , (R10,10) , (R53,53) ,
(R5,5) , (R15,15) , (R15,15) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) ,
(R210,10) , (R10,10) , (R35,35) , (R35,35) , (R35,35) , (R15,15) , (R15,15) ,
(R35,35) , (R20,20) , (R56,56) , (R50,50) , (R3,3) , (R5,5) , (R210,10) , (R10,10) ,
(R56,56) , (R55,55) , (R15,15) , (R210,10) , (R35,35) , (R15,15) , (R220,20) ,
(R10,10) , (R20,20) , (R5,5) , (R210,10) , (R10,10) , (R3,3) , (R50,50) , (R15,15) ,
(R3,3) , (R50,50) , (R3,3) , (R50,50) , (R5,5) , (R5,5) , (R5,5) , (R210,10) ,
(R10,10) , (R35,35) , (R210,10) , (R15,15) , (R10,10) , (R20,20) , (R5,5) , (R15,15)
, (R20,20) , (R5,5) , (R210,10) , (R310,10) , (R220,20) , (R210,10) , (R15,15) ,
(R15,15) , (R210,10) , (R15,15) , (R10,10) , (R10,10) , (R3,3) , (R5,5) , (R5,5) ,
(R10,10) , (R3,3) , (R310,10) , (R20,20) , (R15,15) , (R20,20) , (R35,35) , (R3,3) ,
(R20,20) , (R5,5) , (R5,5) , (R210,10) , (R10,10) , (R210,10) , (R35,35) , (R3,3) ,
(R15,15) , (R310,10) , (R10,10) , (R210,10) , (R15,15) , (R210,10) , (R5,5) , (R5,5)
, (R10,10) , (R3,3) , (R3,3) , (R15,15) , (R20,20) , (R35,35) , (R50,50) , (R10,10) ,
(R10,10) , (R55,55) , (R20,20) , (R57,57) , (R360,60) , (R20,20) , (R35,35) ,
(R55,55) , (R35,35) , (R60,60) , (R50,50) , (R20,20) , (R310,10) , (R260,60) ,
(R35,35) , (R54,54) , (R255,55) , (R35,35) , (R58,58) , (R57,57) , (R55,55) ,
(R255,55) , (R58,58) , (R20,20) , (R10,10) , (R59,59) , (R20,20) , (R50,50) ,
(R50,50) , (R220,20) , (R310,10) , (R53,53) , (R35,35) , (R60,60) , (R55,55) ,
(R20,20) , (R20,20) , (R260,60) , (R35,35) , (R55,55) , (R54,54) , (R310,10) ,
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(R35,35) , (R20,20) , (R15,15) , (R35,35) , (R15,15) , (R210,10) , (R310,10) ,
(R35,35) , (R35,35) , (R50,50) , (R50,50) , (R310,10) , (R20,20) , (R35,35) ,
(R20,20) , (R55,55) , (R20,20) , (R210,10) , (R15,15) , (R35,35) , (R50,50) ,
(R50,50) , (R260,60) , (R60,60) , (R260,60) , (R260,60) , (R360,60) , (R55,55) ,
(R60,60) , (R360,60) , (R60,60) , (R260,60) , (R60,60) , (R59,59) , (R260,60) ,
(R60,60) , (R55,55) , (R55,55) , (R360,60) , (R255,55) , (R60,60) , (R57,57) ,
(R56,56) , (R35,35) , (R50,50) , (R20,20) , (R50,50) , (R53,53) , (R50,50) , (R54,54)
, (R55,55) , (R50,50) , (R53,53) , (R55,55) , (R260,60) , (R60,60) , (R260,60) ,
(R360,60) , (R360,60) , (R60,60) , (R260,60) , (R55,55) , (R360,60) , (R360,60) ,
(R57,57) , (R58,58) , (R55,55) , (R54,54) , (R255,55) , (R56,56) , (R60,60) ,
(R60,60) , (R60,60) , (R360,60) , (R60,60) , (R59,59) , (R55,55) , (R58,58) ,
(R260,60) , (R260,60) , (R60,60) , (R59,59) , (R60,60) , (R260,60) , (R60,60)


Rule which is executed and removed from the heap : R60



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The current inference will be terminated after 30 cycles
Time taken to execute 30 cycles is: 0.776 Secs


================================End of Execution=================================
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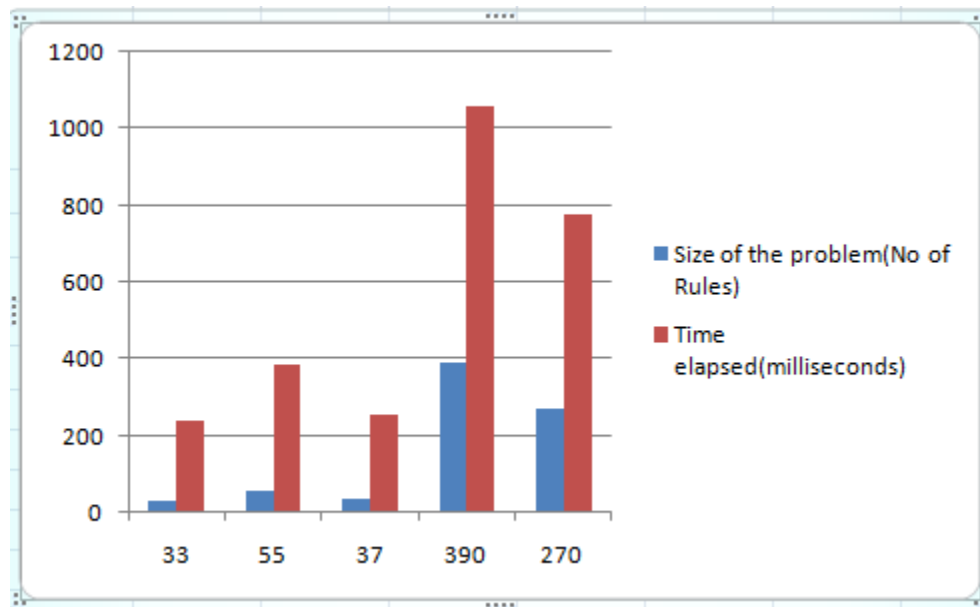
Experiment Results & Graph :

Execution Time of the program for different Problem Sizes –

Size of the problem(No of Rules)	Time elapsed(milliseconds)
33	239
55	384
37	256
390	1061
270	776

Clearly, from the above graph it is clear that as the input size i.e., Number of rules increases, the time elapsed to complete all the cycles of the program is also increasing.

End Behavior of the Graph:

As the values in the x-axis increase i.e., as input size increases, the function $f(x)$ tends to positive infinity. That is, the function $f(x)$ grows $c*n$ times with respect to the input.

We know that, the functions ExtractMax() and Insert_into_Heap() takes $O(lgn)$ and building a queue(heap) takes $O(nlgn)$.

i.e., $T(n) = O(lgn)+O(lgn)+O(nlgn)+c$, where 'c' is the constant time taken to delete an element from the heap

$$=> T(n) = O(nlgn)$$

Therefore, $f(x)=O(nlgn)$ in worst case