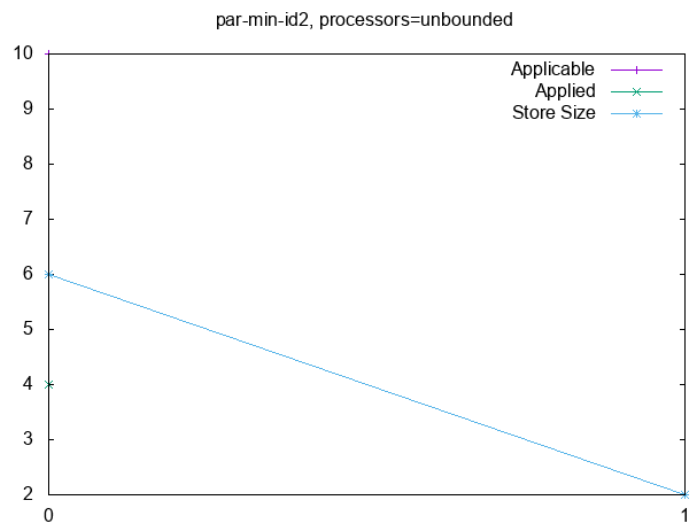


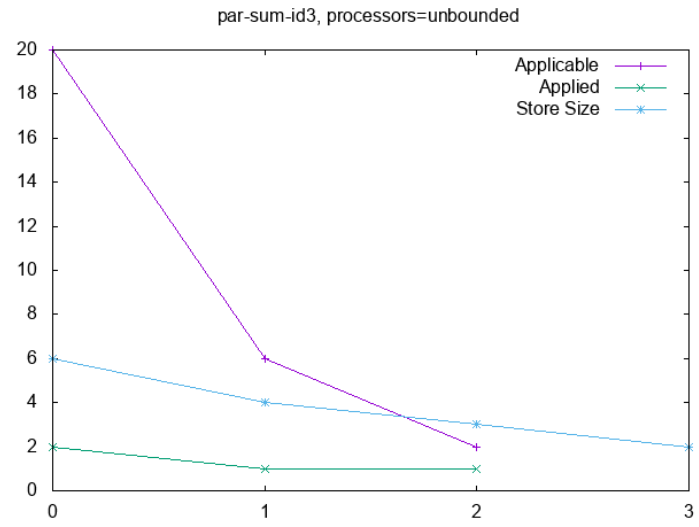
```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (2) , fib (3) , fib (1) , fib (2) , [] ]
[ sum (1) , fib (0) , fib (1) , fib (1) , fib (2) , fib (0) , fib (1) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (0) , fib (1)
  , [] ]
[ sum (2) , sum (2) , sum (2) , sum (1) , sum (1) , [] ]
[ sum (2) , sum (4) , sum (2) , [] ]
[ sum (6) , sum (2) , [] ]
[ sum (8) , [] ]

```



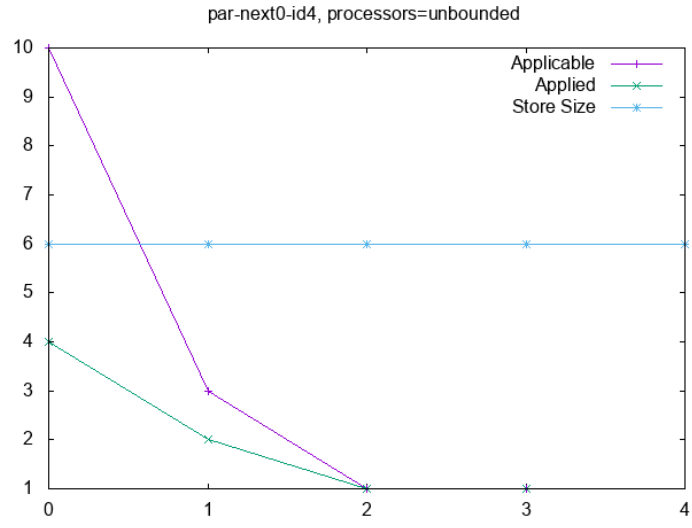
Store = Query = [min(1) ,min(3) ,min(2) ,min(4) ,min(5) ,[]]
 [min(1) ,min(3) ,min(2) ,min(4) ,min(5) ,[]]
 [min(1) ,[]]



```

Store = Query = [sum(5),sum(2),sum(1),sum(3),sum(4),[]]
[sum(5),sum(2),sum(1),sum(3),sum(4),[]]
[sum(7),sum(3),sum(5),[]]
[sum(8),sum(7),[]]
[sum(15),[]]

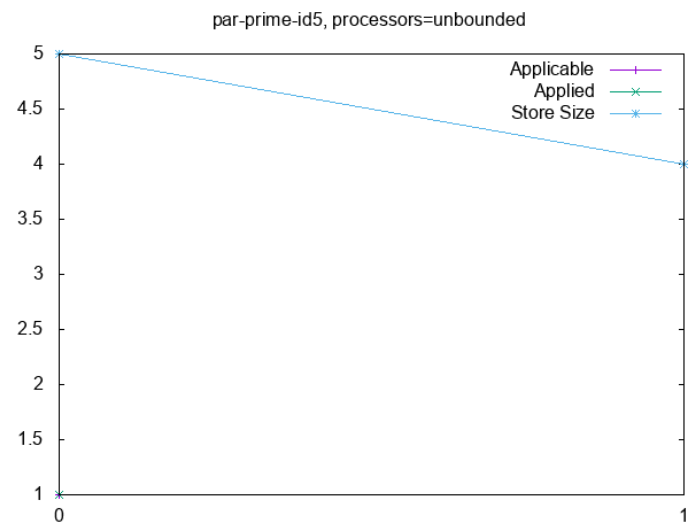
```



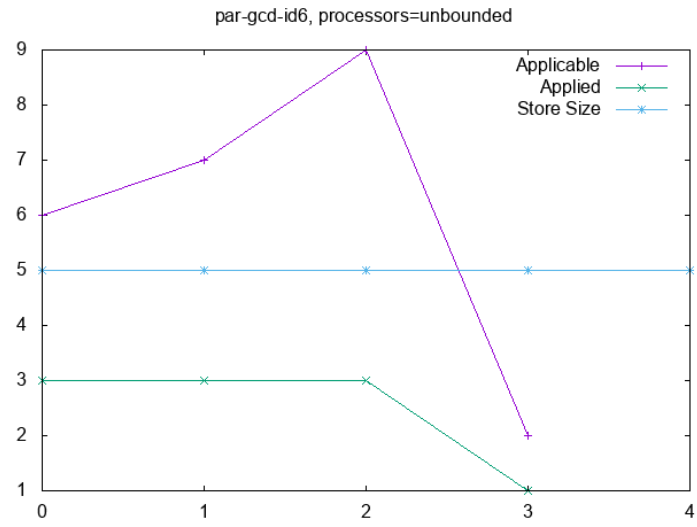
```

Store = Query = [next(0,4),next(0,3),next(0,1),next(0,2),
                  next(0,5),[]]
[next(0,4),next(0,3),next(0,1),next(0,2),next(0,5),[]]
[next(2,5),next(1,2),next(1,3),next(1,4),next(0,1),[]]
[next(3,4),next(2,3),next(2,5),next(1,2),next(0,1),[]]
[next(3,5),next(3,4),next(2,3),next(1,2),next(0,1),[]]
[next(4,5),next(3,4),next(2,3),next(1,2),next(0,1),[]]

```



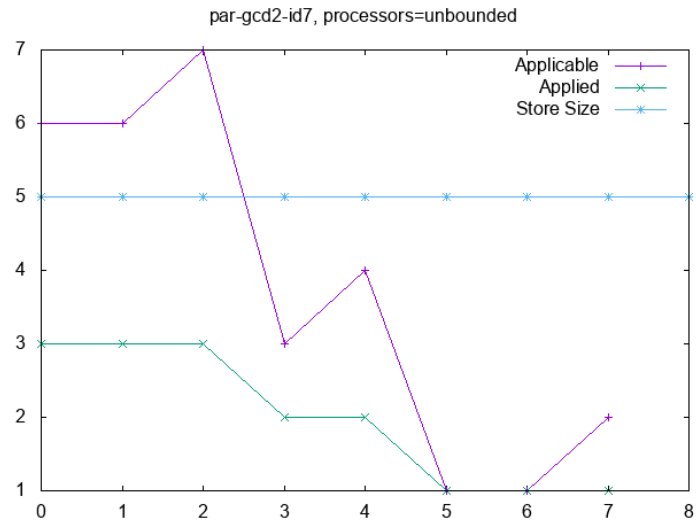
```
Store = Query = [prime(2),prime(4),prime(3),prime(5),[]]
[prime(2),prime(4),prime(3),prime(5),[]]
[prime(2),prime(3),prime(5),[]]
```



```

Store = Query = [gcd(3),gcd(5),gcd(2),gcd(4),[]]
[gcd(3),gcd(5),gcd(2),gcd(4),[]]
[gcd(2),gcd(3),gcd(1),gcd(2),[]]
[gcd(1),gcd(2),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

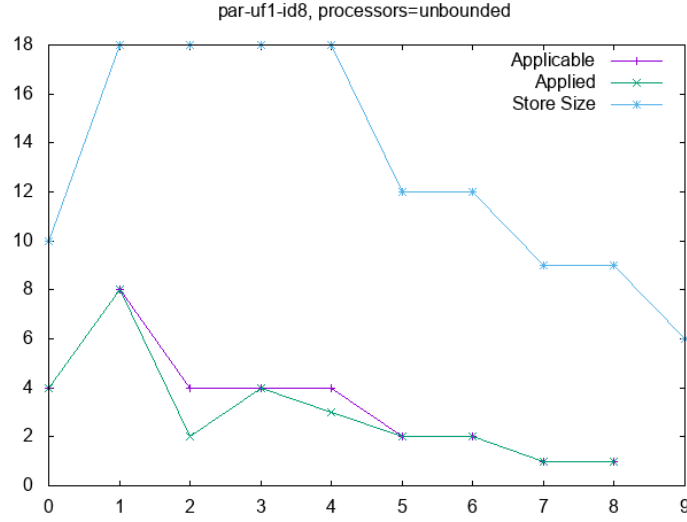
```



```

Store = Query = [gcd(5),gcd(11),gcd(16),gcd(7),[]]
[gcd(5),gcd(11),gcd(16),gcd(7),[]]
[gcd(9),gcd(4),gcd(2),gcd(5),[]]
[gcd(3),gcd(2),gcd(7),gcd(2),[]]
[gcd(5),gcd(0),gcd(1),gcd(2),[]]
[gcd(1),gcd(4),gcd(0),gcd(1),[]]
[gcd(3),gcd(0),gcd(0),gcd(1),[]]
[gcd(2),gcd(0),gcd(0),gcd(1),[]]
[gcd(1),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

```



```

Store = Query = [ union (2,4) , union (3,2) , union (5,3) , union
  (1,5) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (2,4) , union (3,2) , union (5,3) , union (1,5) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (5, _21606) , find (1, _21618) , find (3, _21630) , find (5,
  _21642) , find (2, _21654) , find (3, _21666) , find (4, _21678) ,
  find (2, _21690) , link (_21618, _21606) , link (_21642, _21630)
  , link (_21666, _21654) , link (_21690, _21678) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ link (_21618, _21606) , link (_21642, _21630) , link (_21666,
  _21654) , link (_21690, _21678) , root (5) , root (4) , root (3) ,
  root (2) , root (1) , found (2, _21690) , found (4, _21678) , found
  (3, _21666) , found (2, _21654) , found (5, _21642) , found (3,
  _21630) , found (1, _21618) , found (5, _21606) , [] ]
[ link (_21618, _21606) , link (_21642, _21630) , link (_21666,
  _21654) , link (_21690, _21678) , point (5,1) , point (2,3) , root
  (4) , root (3) , root (1) , found (2, _21690) , found (4, _21678) ,
  found (3, _21666) , found (2, _21654) , found (5, _21642) , found
  (3, _21630) , found (1, _21618) , found (5, _21606) , [] ]
[ link (_21618, _21606) , link (_21642, _21630) , link (_21666,
  _21654) , link (_21690, _21678) , point (5,1) , point (2,3) , root
  (4) , root (3) , root (1) , found (3, _21690) , found (3, _21654) ,
  found (1, _21642) , found (1, _21606) , found (4, _21678) , found
  (3, _21666) , found (3, _21630) , found (1, _21618) , [] ]
[ link (_21642, _21630) , link (_21690, _21678) , point (3,1) , point
  (5,1) , point (2,3) , root (4) , root (1) , found (3, _21690) , found
  (1, _21642) , found (4, _21678) , found (3, _21630) , [] ]
[ link (_21642, _21630) , link (_21690, _21678) , point (3,1) , point
  (5,1) , point (2,3) , root (4) , root (1) , found (1, _21690) , found
  (1, _21630) , found (1, _21642) , found (4, _21678) , [] ]
[ link (_21690, _21678) , point (4,1) , point (3,1) , point (5,1) ,

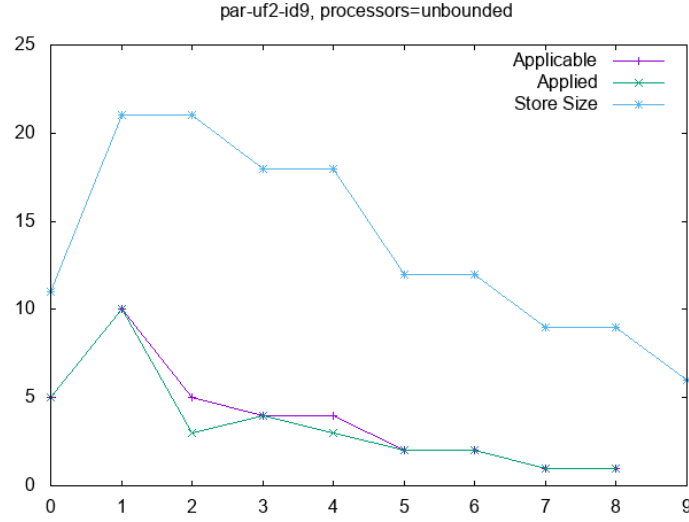
```



```

    point(2,3),root(1),found(1,_21690),found(4,_21678),[]
[link(_21690,_21678),point(4,1),point(3,1),point(5,1),
    point(2,3),root(1),found(1,_21678),found(1,_21690),[]
[point(4,1),point(3,1),point(5,1),point(2,3),root(1),[]

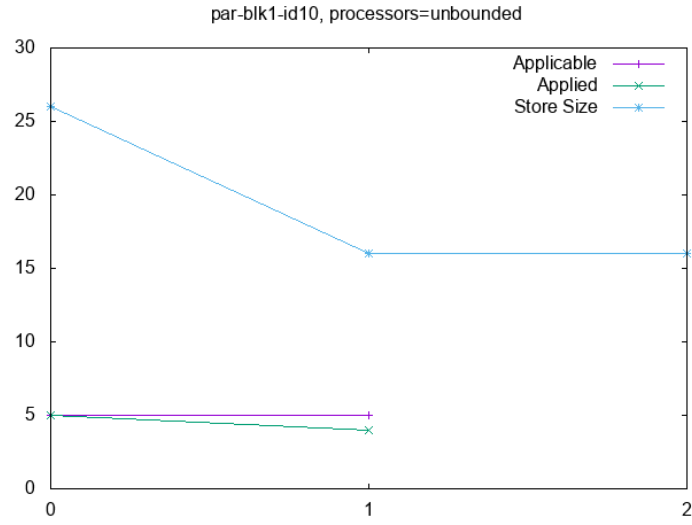
```



```

Store = Query = [ union (2,4) , union (3,2) , union (5,3) , union
                  (5,5) , union (1,5) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (2,4) , union (3,2) , union (5,3) , union (5,5) , union (1,5) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
... (line too long)
... (line too long)
[ link (_23428, _23416) , link (_23476, _23464) , link (_23500,
  _23488) , link (_23524, _23512) , point (5,1) , point (2,3) , root
  (4) , root (3) , root (1) , found (2, _23524) , found (4, _23512) ,
  found (3, _23500) , found (2, _23488) , found (5, _23476) , found
  (3, _23464) , found (1, _23428) , found (5, _23416) , [] ]
[ link (_23428, _23416) , link (_23476, _23464) , link (_23500,
  _23488) , link (_23524, _23512) , point (5,1) , point (2,3) , root
  (4) , root (3) , root (1) , found (3, _23524) , found (3, _23488) ,
  found (1, _23476) , found (1, _23416) , found (4, _23512) , found
  (3, _23500) , found (3, _23464) , found (1, _23428) , [] ]
[ link (_23476, _23464) , link (_23524, _23512) , point (3,1) , point
  (5,1) , point (2,3) , root (4) , root (1) , found (3, _23524) , found
  (1, _23476) , found (4, _23512) , found (3, _23464) , [] ]
[ link (_23476, _23464) , link (_23524, _23512) , point (3,1) , point
  (5,1) , point (2,3) , root (4) , root (1) , found (1, _23524) , found
  (1, _23464) , found (1, _23476) , found (4, _23512) , [] ]
[ link (_23524, _23512) , point (4,1) , point (3,1) , point (5,1) ,
  point (2,3) , root (1) , found (1, _23524) , found (4, _23512) , [] ]
[ link (_23524, _23512) , point (4,1) , point (3,1) , point (5,1) ,
  point (2,3) , root (1) , found (1, _23512) , found (1, _23524) , [] ]
[ point (4,1) , point (3,1) , point (5,1) , point (2,3) , root (1) , [] ]

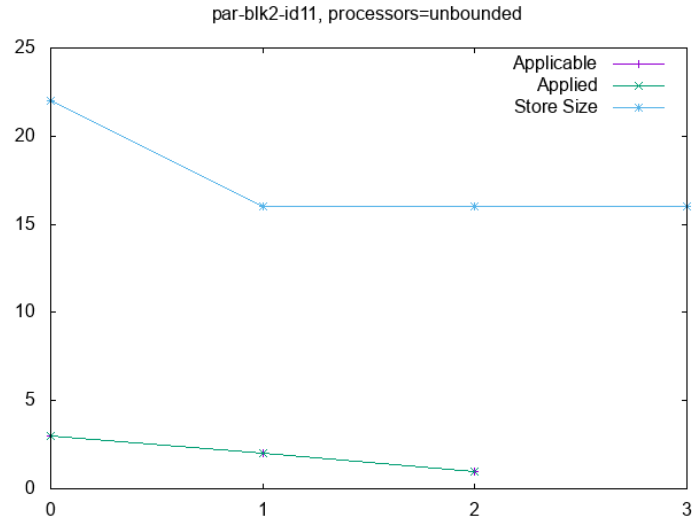
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
  (2,102),grab(1,101),empty(5),empty(4),empty(3),empty
  (2),empty(1),clear(105),clear(104),clear(103),clear
  (102),clear(101),on(105,5),on(104,4),on(103,3),on
  (102,2),on(101,1),put(5,1),put(2,5),put(1,2),put(4,1),
  put(4,4),[]]
... (line too long)
[clear(1),clear(2),clear(3),clear(4),clear(5),put(5,1),
  put(2,5),put(1,2),put(4,1),put(4,4),hold(1,101),hold
  (2,102),hold(3,103),hold(4,104),hold(5,105),[]]
[empty(4),empty(2),empty(1),empty(5),clear(104),clear
  (102),clear(101),clear(105),clear(3),on(104,4),on
  (102,5),on(101,2),on(105,1),put(4,1),hold(3,103),[]]

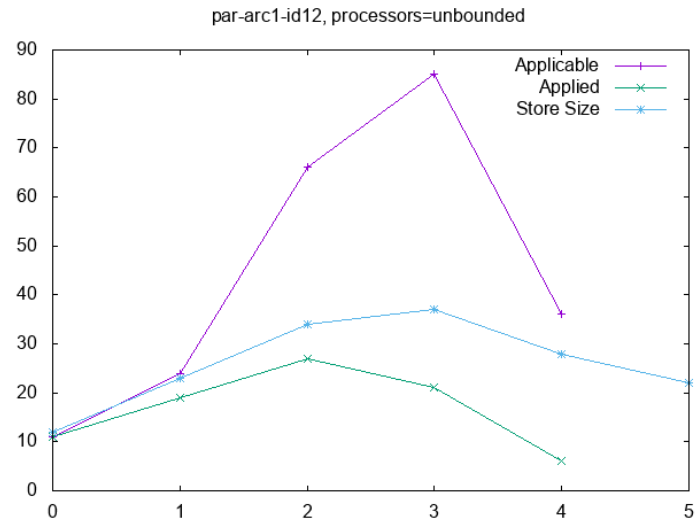
```



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(1,4),put(2,1),put(3,2),put(5,3),put(2,5),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(4),
  clear(6),put(1,4),put(2,1),put(3,2),put(5,3),put(2,5),
  hold(1,1),hold(3,3),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(1),empty(3),empty(4),empty(2),
  clear(1),clear(3),clear(6),on(1,4),on(3,2),put(2,1),
  put(5,3),put(2,5),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(5),empty(1),empty(3),empty(4),
  empty(2),clear(5),clear(1),clear(6),on(5,3),on(1,4),on
  (3,2),put(2,1),put(2,5),[]]

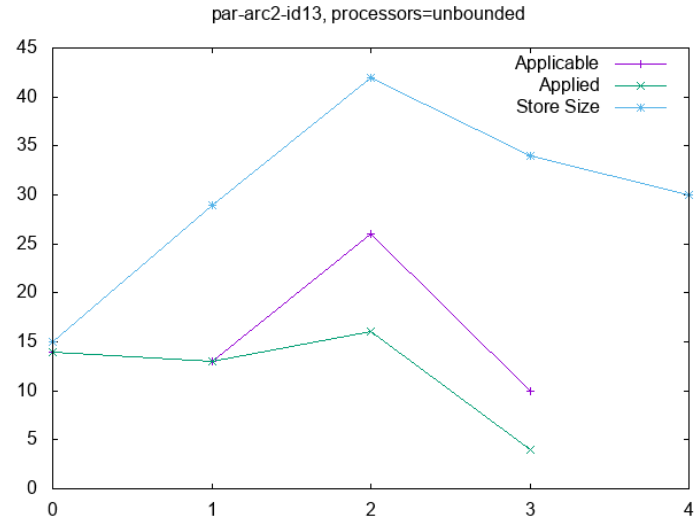
```



```

Store = Query = [ arc(1,5,17), arc(1,3,7), arc(2,3,3), arc
                  (2,4,8), arc(3,4,4), arc(2,3,3), arc(1,5,21), arc(4,5,5),
                  arc(3,4,4), arc(2,3,3), arc(1,2,2), [] ]
[ arc(1,5,17), arc(1,3,7), arc(2,3,3), arc(2,4,8), arc(3,4,4),
  arc(2,3,3), arc(1,5,21), arc(4,5,5), arc(3,4,4), arc
  (2,3,3), arc(1,2,2), [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)

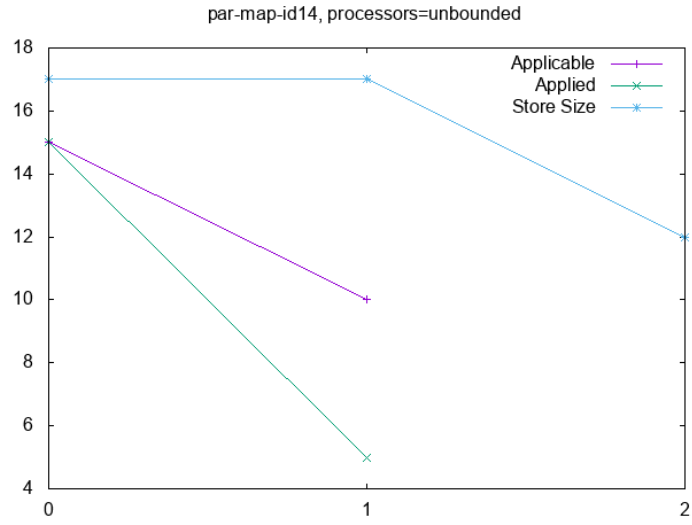
```



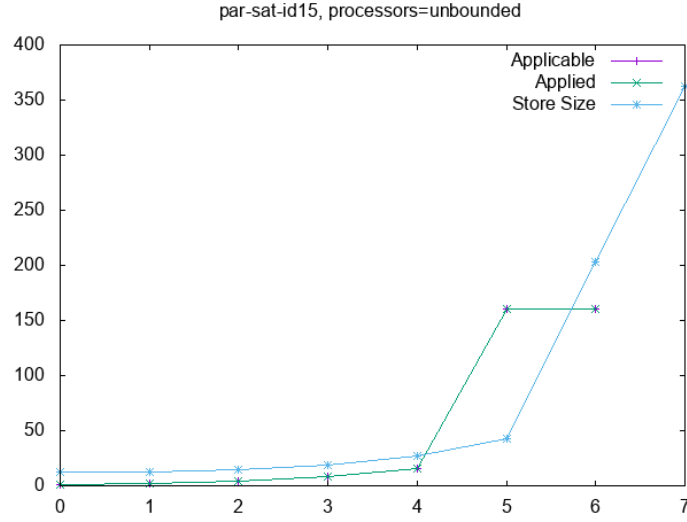
```

Store = Query = [ arc ( 2 , 3 , 4 ) , arc ( 1 , 3 , 5 ) , arc ( 1 , 5 , 21 ) , arc
                  ( 4 , 5 , 5 ) , arc ( 5 , 9 , 25 ) , arc ( 4 , 9 , 34 ) , arc ( 3 , 9 , 45 ) , arc
                  ( 2 , 9 , 58 ) , arc ( 1 , 9 , 73 ) , arc ( 0 , 5 , 25 ) , arc ( 0 , 4 , 16 ) , arc
                  ( 0 , 3 , 9 ) , arc ( 0 , 2 , 4 ) , arc ( 0 , 1 , 1 ) , [] ]
[ arc ( 2 , 3 , 4 ) , arc ( 1 , 3 , 5 ) , arc ( 1 , 5 , 21 ) , arc ( 4 , 5 , 5 ) , arc ( 5 , 9 , 25 )
  , arc ( 4 , 9 , 34 ) , arc ( 3 , 9 , 45 ) , arc ( 2 , 9 , 58 ) , arc ( 1 , 9 , 73 ) , arc
  ( 0 , 5 , 25 ) , arc ( 0 , 4 , 16 ) , arc ( 0 , 3 , 9 ) , arc ( 0 , 2 , 4 ) , arc ( 0 , 1 , 1 )
  , [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)

```



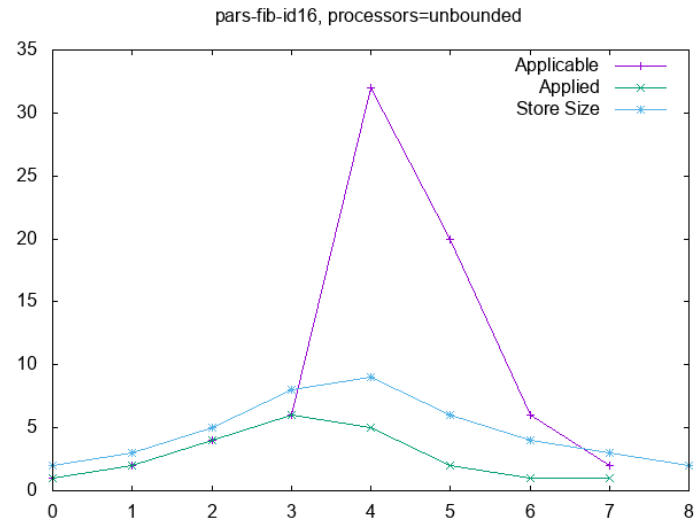
```
Store = Query = [mapreduce(cw,cw),data(1),data(2),data(4)
, data(2),data(4),data(8),data(9),data(5),data(6),data
(1),data(7),data(5),data(3),data(10),data(3),[]]
[mapreduce(cw,cw),data(1),data(2),data(4),data(2),data(4)
,data(8),data(9),data(5),data(6),data(1),data(7),data
(5),data(3),data(10),data(3),[]]
[mapreduce(cw,cw),work(cw,3,1),work(cw,10,1),work(cw,3,1)
,work(cw,5,1),work(cw,7,1),work(cw,1,1),work(cw,6,1),
work(cw,5,1),work(cw,9,1),work(cw,8,1),work(cw,4,1),
work(cw,2,1),work(cw,4,1),work(cw,2,1),work(cw,1,1)
,[]]
[mapreduce(cw,cw),work(cw,2,2),work(cw,4,2),work(cw,1,2),
work(cw,5,2),work(cw,3,2),work(cw,10,1),work(cw,7,1),
work(cw,6,1),work(cw,9,1),work(cw,8,1),[]]
```



```

Store = Query = [ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 25 , or ( 2 , 5 ) ) , eq ( 12 ,
    or ( 1 , 2 ) ) , eq ( 51 , and ( 5 , 1 ) ) , eq ( 35 , or ( 3 , 5 ) ) , eq ( 43 , and ( 4 , 3 )
    ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v
    ( 1 ) ) , [ ] ]
[ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 25 , or ( 2 , 5 ) ) , eq ( 12 , or ( 1 , 2 ) ) , eq ( 51 ,
    and ( 5 , 1 ) ) , eq ( 35 , or ( 3 , 5 ) ) , eq ( 43 , and ( 4 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq
    ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 2 , 3 , 4 , 5 ] , [ false ( 1 ) ] ) , f ([ 2 , 3 , 4 , 5 ] , [ true ( 1 ) ] ) , eq ( 25 , or
    ( 2 , 5 ) ) , eq ( 12 , or ( 1 , 2 ) ) , eq ( 51 , and ( 5 , 1 ) ) , eq ( 35 , or ( 3 , 5 ) ) ,
    eq ( 43 , and ( 4 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 ,
    v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 3 , 4 , 5 ] , [ false ( 2 ) , true ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) , true ( 1 )
    ] ) , f ([ 3 , 4 , 5 ] , [ false ( 2 ) , false ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) ,
    false ( 1 ) ] ) , eq ( 25 , or ( 2 , 5 ) ) , eq ( 12 , or ( 1 , 2 ) ) , eq ( 51 , and
    ( 5 , 1 ) ) , eq ( 35 , or ( 3 , 5 ) ) , eq ( 43 , and ( 4 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 ,
    v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) ,
    true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , false ( 1 )
    ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , false ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false
    ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , true ( 1 )
    ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true
    ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , eq ( 25 , or ( 2 , 5 ) ) , eq ( 12 , or ( 1 , 2 ) ) ,
    eq ( 51 , and ( 5 , 1 ) ) , eq ( 35 , or ( 3 , 5 ) ) , eq ( 43 , and ( 4 , 3 ) ) , eq ( 5 , v
    ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)

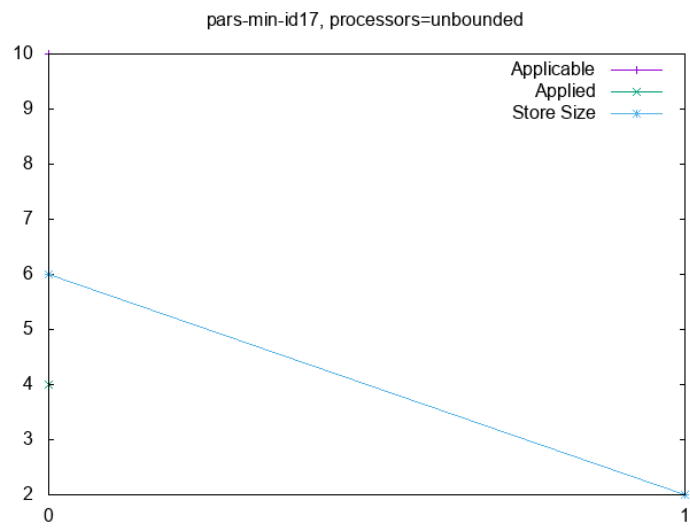
```

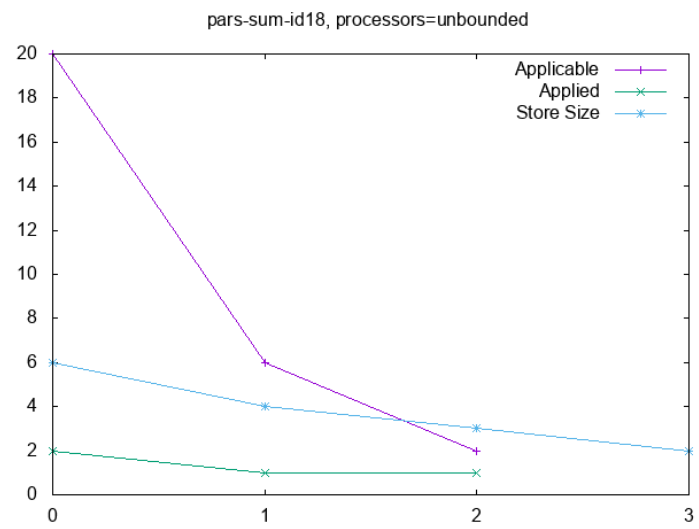
```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (1) , fib (2) , fib (2) , fib (3) , [] ]
[ sum (1) , fib (0) , fib (1) , fib (0) , fib (1) , fib (1) , fib (2) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (0) , fib (1)
  , [] ]
[ sum (1) , sum (2) , sum (2) , sum (2) , sum (1) , [] ]
[ sum (3) , sum (4) , sum (1) , [] ]
[ sum (5) , sum (3) , [] ]
[ sum (8) , [] ]

```



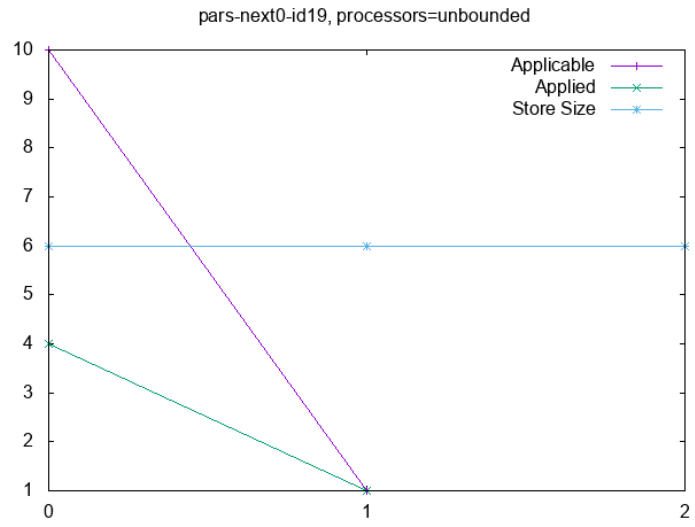
Store = Query = [min(5), min(1), min(3), min(2), min(4), []]
 [min(5), min(1), min(3), min(2), min(4), []]
 [min(1), []]



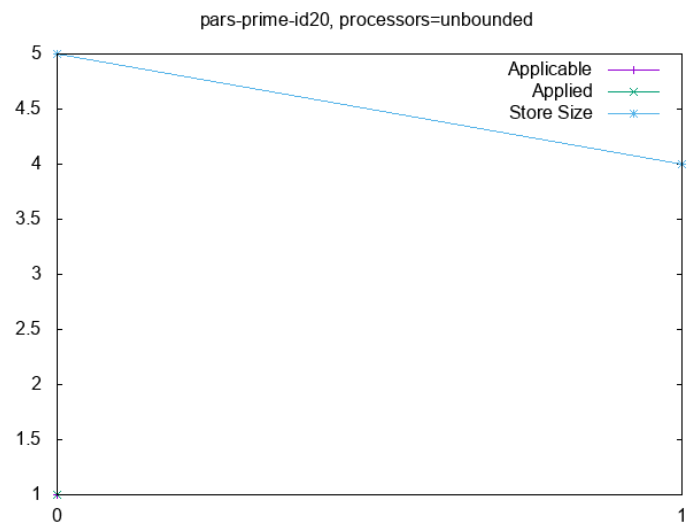
```

Store = Query = [sum(3),sum(1),sum(5),sum(4),sum(2),[]]
[sum(3),sum(1),sum(5),sum(4),sum(2),[]]
[sum(6),sum(6),sum(3),[]]
[sum(9),sum(6),[]]
[sum(15),[]]

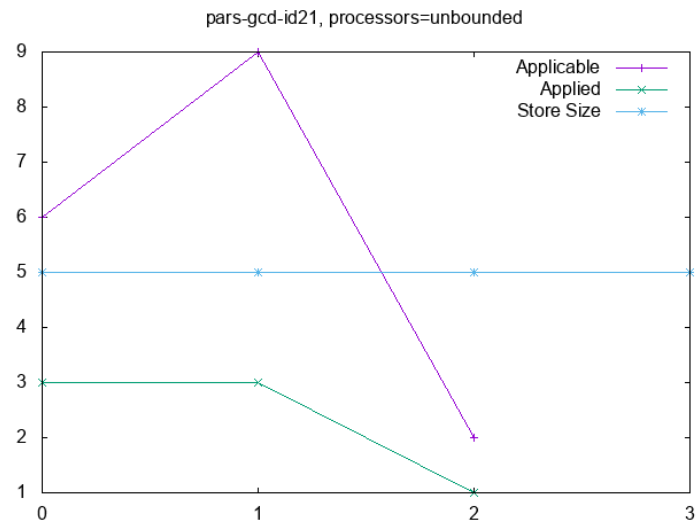
```



Store = Query = [next (0 , 1) , next (0 , 3) , next (0 , 4) , next (0 , 2) ,
 next (0 , 5) , []]
 [next (0 , 1) , next (0 , 3) , next (0 , 4) , next (0 , 2) , next (0 , 5) , []]
 [next (4 , 5) , next (2 , 4) , next (2 , 3) , next (1 , 2) , next (0 , 1) , []]
 [next (3 , 4) , next (4 , 5) , next (2 , 3) , next (1 , 2) , next (0 , 1) , []]



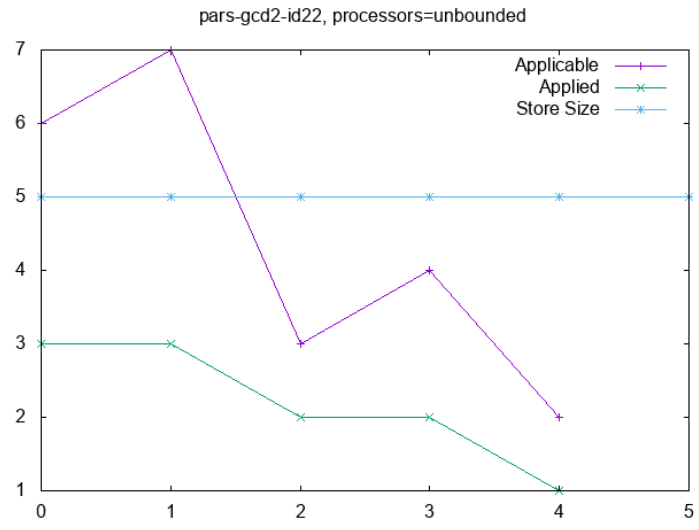
```
Store = Query = [prime(3),prime(5),prime(2),prime(4),[]]
[prime(3),prime(5),prime(2),prime(4),[]]
[prime(3),prime(5),prime(2),[]]
```



```

Store = Query = [gcd(3),gcd(5),gcd(4),gcd(2),[]]
[gcd(3),gcd(5),gcd(4),gcd(2),[]]
[gcd(1),gcd(1),gcd(1),gcd(2),[]]
[gcd(0),gcd(1),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

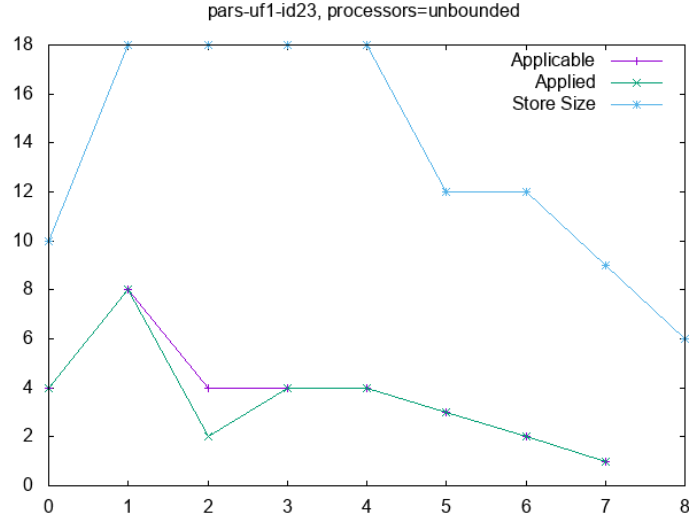
```



```

Store = Query = [gcd(5),gcd(16),gcd(11),gcd(7),[]]
[gcd(5),gcd(16),gcd(11),gcd(7),[]]
[gcd(5),gcd(6),gcd(2),gcd(5),[]]
[gcd(4),gcd(0),gcd(3),gcd(2),[]]
[gcd(1),gcd(1),gcd(0),gcd(2),[]]
[gcd(0),gcd(1),gcd(1),gcd(0),[]]
[gcd(0),gcd(0),gcd(1),gcd(0),[]]

```



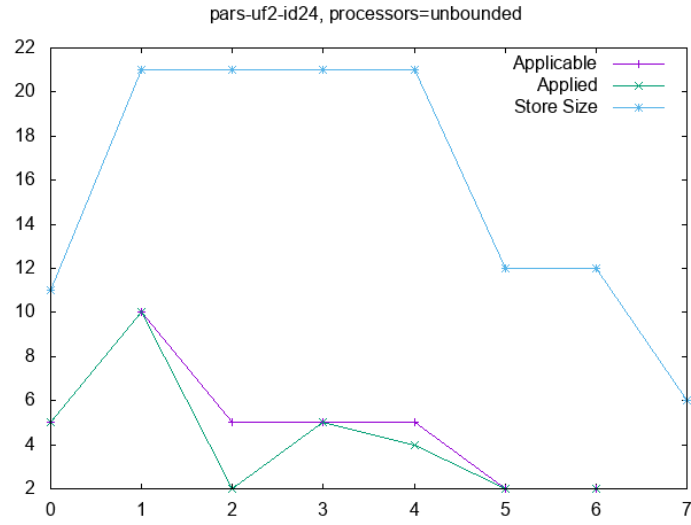
```

Store = Query = [ union (3,1) , union (5,3) , union (4,5) , union
                  (2,4) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (3,1) , union (5,3) , union (4,5) , union (2,4) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (5, _74592) , find (4, _74604) , find (3, _74616) , find (5,
  _74628) , find (1, _74640) , find (3, _74652) , find (4, _74664) ,
  find (2, _74676) , link (_74604, _74592) , link (_74628, _74616)
  , link (_74652, _74640) , link (_74676, _74664) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ link (_74604, _74592) , link (_74628, _74616) , link (_74652,
  _74640) , link (_74676, _74664) , root (5) , root (4) , root (3) ,
  root (2) , root (1) , found (4, _74664) , found (3, _74652) , found
  (1, _74640) , found (5, _74628) , found (3, _74616) , found (4,
  _74604) , found (5, _74592) , found (2, _74676) , [] ]
[ link (_74604, _74592) , link (_74628, _74616) , link (_74652,
  _74640) , link (_74676, _74664) , point (3,5) , point (4,2) , root
  (5) , root (2) , root (1) , found (4, _74664) , found (3, _74652) ,
  found (1, _74640) , found (5, _74628) , found (3, _74616) , found
  (4, _74604) , found (5, _74592) , found (2, _74676) , [] ]
[ link (_74604, _74592) , link (_74628, _74616) , link (_74652,
  _74640) , link (_74676, _74664) , point (3,5) , point (4,2) , root
  (5) , root (2) , root (1) , found (2, _74604) , found (5, _74652) ,
  found (5, _74616) , found (2, _74664) , found (1, _74640) , found
  (5, _74628) , found (5, _74592) , found (2, _74676) , [] ]
[ link (_74604, _74592) , link (_74652, _74640) , point (1,5) , point
  (5,2) , point (3,5) , point (4,2) , root (2) , found (2, _74604) ,
  found (5, _74652) , found (1, _74640) , found (5, _74592) , [] ]
[ link (_74604, _74592) , link (_74652, _74640) , point (1,5) , point
  (5,2) , point (3,5) , point (4,2) , root (2) , found (2, _74592) ,
  found (5, _74640) , found (2, _74652) , found (2, _74604) , [] ]
[ link (_74652, _74640) , point (1,5) , point (5,2) , point (3,5) ,

```



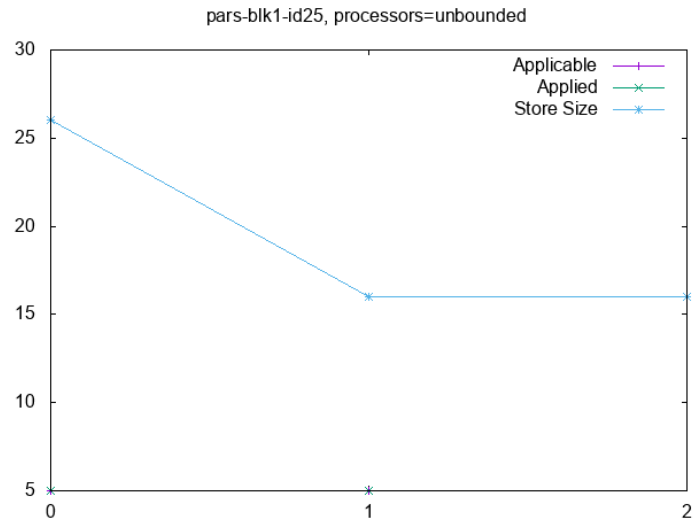
```
point(4,2),root(2),found(2,_74640),found(2,_74652),[]]  
[point(1,5),point(5,2),point(3,5),point(4,2),root(2),[]]
```



```

Store = Query = [ union (4,2) , union (1,4) , union (5,1) , union
                  (1,5) , union (4,1) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (4,2) , union (1,4) , union (5,1) , union (1,5) , union (4,1) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
[ link (_76330, _76318) , link (_76378, _76366) , point (4,5) , point
  (1,5) , point (2,4) , root (5) , root (3) , found (5, _76366) , found
  (5, _76330) , found (4, _76318) , found (4, _76378) , [] ]
[ link (_76330, _76318) , link (_76378, _76366) , point (4,5) , point
  (1,5) , point (2,4) , root (5) , root (3) , found (5, _76378) , found
  (5, _76318) , found (5, _76366) , found (5, _76330) , [] ]
[ point (4,5) , point (1,5) , point (2,4) , root (5) , root (3) , [] ]

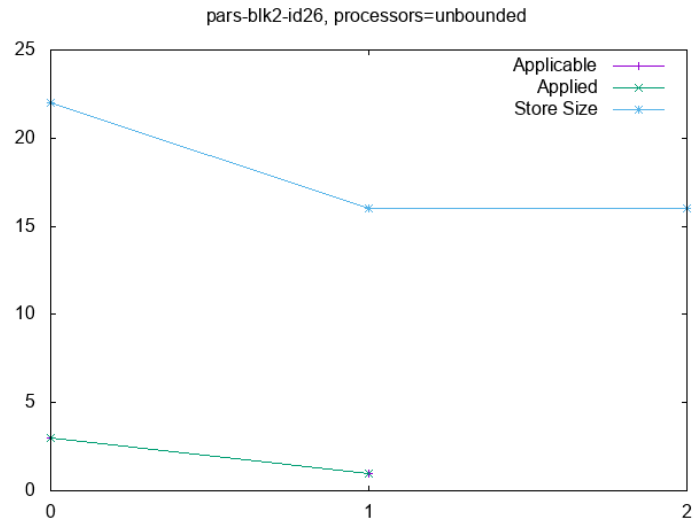
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
  (2,102),grab(1,101),empty(5),empty(4),empty(3),empty
  (2),empty(1),clear(105),clear(104),clear(103),clear
  (102),clear(101),on(105,5),on(104,4),on(103,3),on
  (102,2),on(101,1),put(2,5),put(4,2),put(1,4),put(3,1),
  put(5,3),[]]
... (line too long)
[clear(2),clear(3),clear(4),clear(5),clear(1),put(2,5),
  put(4,2),put(1,4),put(3,1),put(5,3),hold(2,102),hold
  (3,103),hold(4,104),hold(5,105),hold(1,101),[]]
[empty(3),empty(5),empty(2),empty(4),empty(1),clear(103),
  clear(105),clear(102),clear(104),clear(101),on(103,1),
  on(105,3),on(102,5),on(104,2),on(101,4),[]]

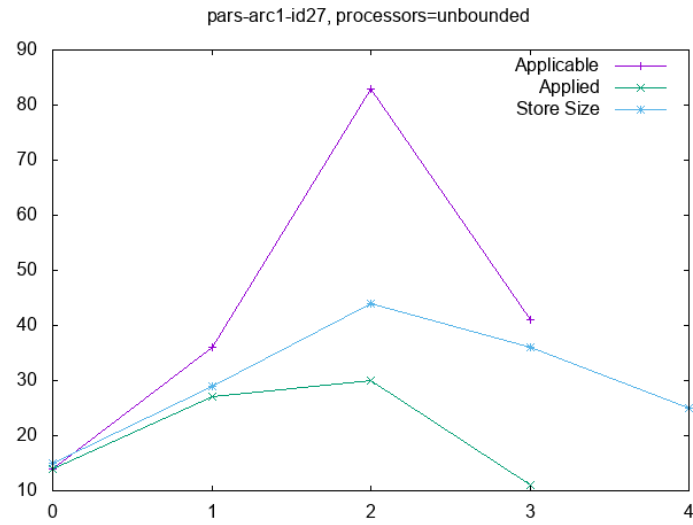
```



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(4,1),put(2,4),put(3,2),put(3,3),put(4,3),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(4),clear(6),
  clear(2),put(4,1),put(2,4),put(3,2),put(3,3),put(4,3),
  hold(3,3),hold(5,5),hold(1,1),[]]
[grab(4,4),grab(2,2),empty(3),empty(4),empty(2),clear(3),
  clear(4),clear(6),on(3,2),put(4,1),put(2,4),put(3,3),
  put(4,3),hold(5,5),hold(1,1),[]]

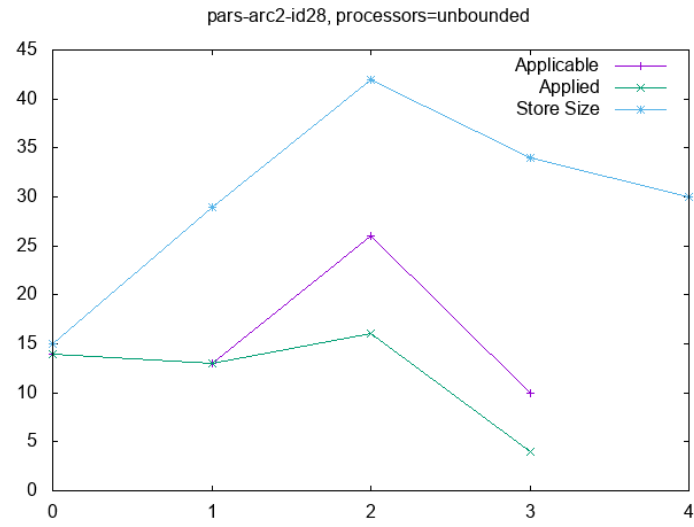
```



```

Store = Query = [ arc(1,5,21), arc(3,5,7), arc(3,4,5), arc
                  (3,4,4), arc(1,3,5), arc(1,2,3), arc(2,3,4), arc(3,4,5),
                  arc(1,4,10), arc(1,5,21), arc(4,5,5), arc(3,4,4), arc
                  (2,3,3), arc(1,2,2), [] ]
[ arc(1,5,21), arc(3,5,7), arc(3,4,5), arc(3,4,4), arc(1,3,5),
  arc(1,2,3), arc(2,3,4), arc(3,4,5), arc(1,4,10), arc
  (1,5,21), arc(4,5,5), arc(3,4,4), arc(2,3,3), arc(1,2,2)
  , [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)

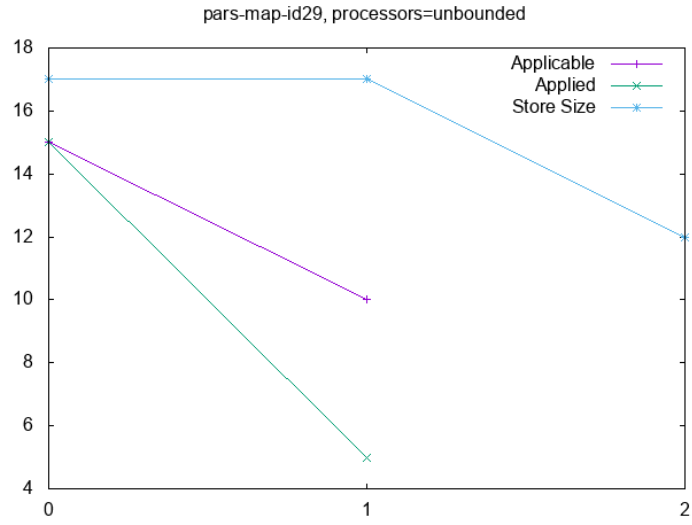
```



```

Store = Query = [ arc(2,5,11), arc(2,4,8), arc(1,4,10), arc
(1,3,7), arc(5,9,25), arc(4,9,34), arc(3,9,45), arc
(2,9,58), arc(1,9,73), arc(0,5,25), arc(0,4,16), arc
(0,3,9), arc(0,2,4), arc(0,1,1), [] ]
[ arc(2,5,11), arc(2,4,8), arc(1,4,10), arc(1,3,7), arc
(5,9,25), arc(4,9,34), arc(3,9,45), arc(2,9,58), arc
(1,9,73), arc(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4)
, arc(0,1,1), [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)

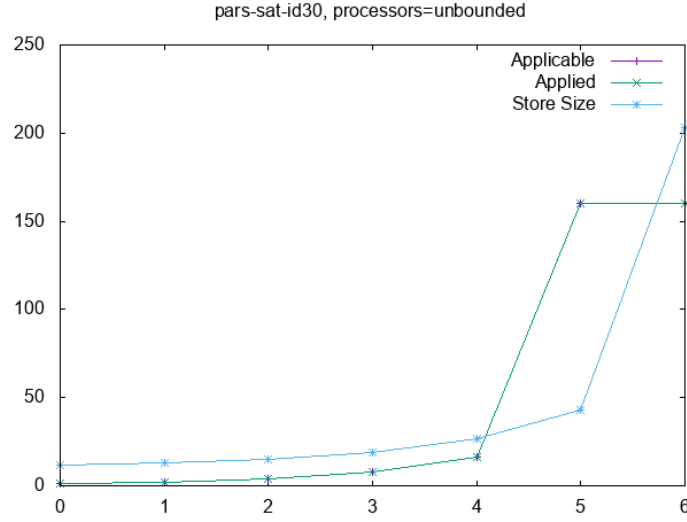
```



```

Store = Query = [mapreduce(cw,cw),data(5),data(4),data(3)
, data(3),data(2),data(1),data(4),data(5),data(7),data
(10),data(9),data(8),data(6),data(2),data(1),[]]
[mapreduce(cw,cw),data(5),data(4),data(3),data(3),data(2)
,data(1),data(4),data(5),data(7),data(10),data(9),data
(8),data(6),data(2),data(1),[]]
[mapreduce(cw,cw),work(cw,2,1),work(cw,6,1),work(cw,8,1),
work(cw,9,1),work(cw,10,1),work(cw,7,1),work(cw,5,1),
work(cw,4,1),work(cw,1,1),work(cw,2,1),work(cw,3,1),
work(cw,3,1),work(cw,4,1),work(cw,5,1),work(cw,1,1)
,[]]
[mapreduce(cw,cw),work(cw,3,2),work(cw,1,2),work(cw,4,2),
work(cw,5,2),work(cw,2,2),work(cw,6,1),work(cw,8,1),
work(cw,9,1),work(cw,10,1),work(cw,7,1),[]]

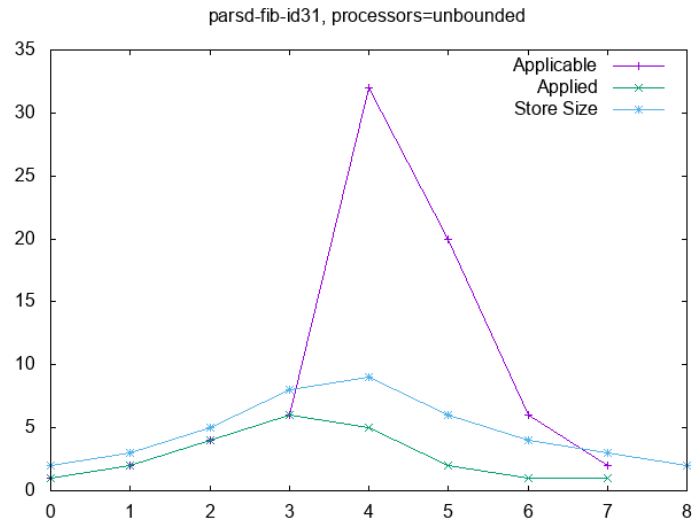
```



```

Store = Query = [ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 44 , neg ( 4 ) ) , eq ( 54 ,
    and ( 5 , 4 ) ) , eq ( 25 , or ( 2 , 5 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 53 , and
    ( 5 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq
    ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 44 , neg ( 4 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 25 , or
    ( 2 , 5 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 53 , and ( 5 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq
    ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 2 , 3 , 4 , 5 ] , [ false ( 1 ) ] ) , f ([ 2 , 3 , 4 , 5 ] , [ true ( 1 ) ] ) , eq ( 44 , neg
    ( 4 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 25 , or ( 2 , 5 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq
    ( 53 , and ( 5 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v
    ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 3 , 4 , 5 ] , [ false ( 2 ) , false ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) , false
    ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ false ( 2 ) , true ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 )
    , true ( 1 ) ] ) , eq ( 44 , neg ( 4 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 25 , or ( 2 , 5 )
    ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 53 , and ( 5 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 )
    ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) ,
    false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , false ( 1 )
    ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false
    ( 3 ) , false ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , false ( 2 ) ,
    false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , f
    ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , eq ( 44 , neg ( 4 ) ) , eq ( 54 ,
    and ( 5 , 4 ) ) , eq ( 25 , or ( 2 , 5 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 53 , and
    ( 5 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq
    ( 1 , v ( 1 ) ) , [ ] ]
... (line too long)
... (line too long)
... (line too long)

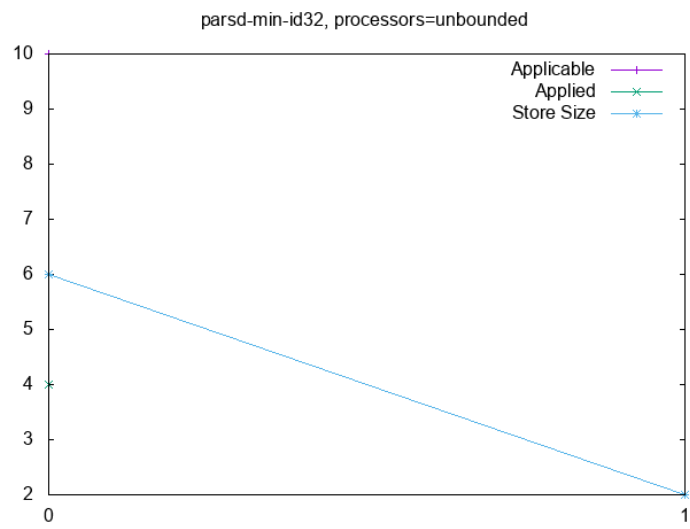
```

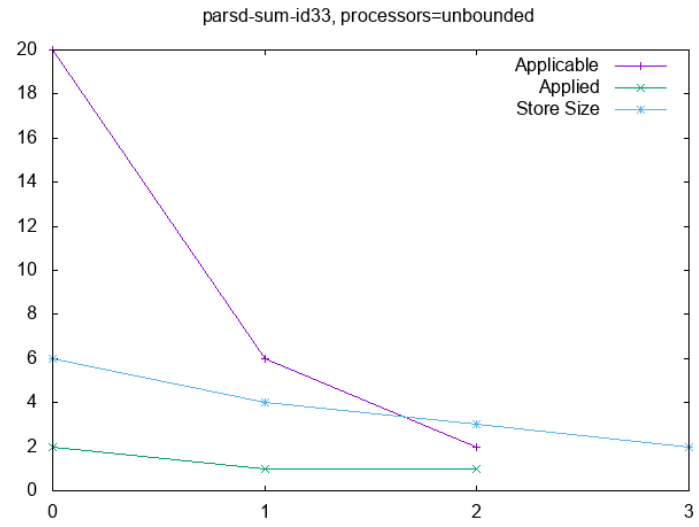
```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (2) , fib (3) , fib (1) , fib (2) , [] ]
[ sum (1) , fib (0) , fib (1) , fib (0) , fib (1) , fib (1) , fib (2) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (0) , fib (1)
  , [] ]
[ sum (2) , sum (1) , sum (1) , sum (2) , sum (2) , [] ]
[ sum (4) , sum (3) , sum (1) , [] ]
[ sum (4) , sum (4) , [] ]
[ sum (8) , [] ]

```



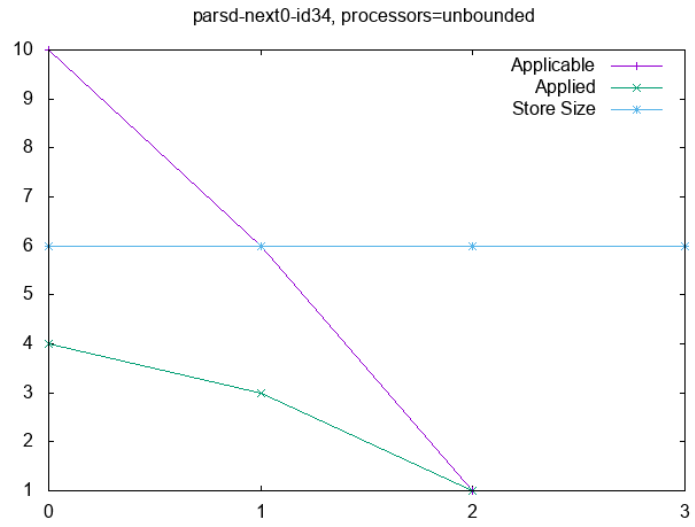
Store = Query = [min(4), min(3), min(1), min(5), min(2), []]
 [min(4), min(3), min(1), min(5), min(2), []]
 [min(1), []]



```

Store = Query = [sum(3),sum(1),sum(5),sum(2),sum(4),[]]
[sum(3),sum(1),sum(5),sum(2),sum(4),[]]
[sum(6),sum(8),sum(1),[]]
[sum(9),sum(6),[]]
[sum(15),[]]

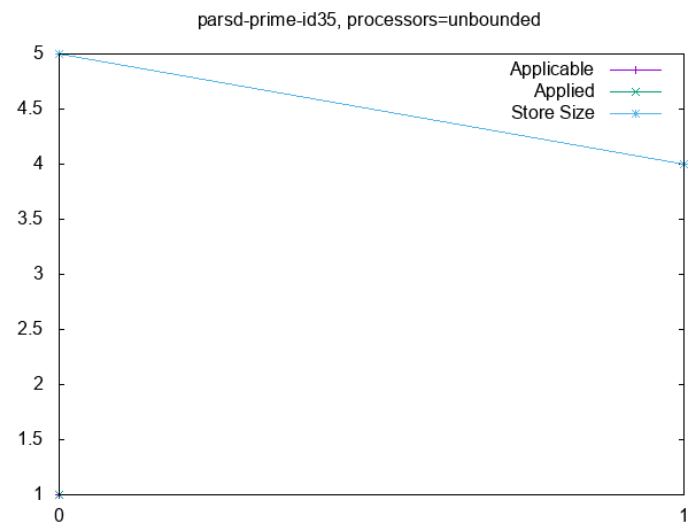
```



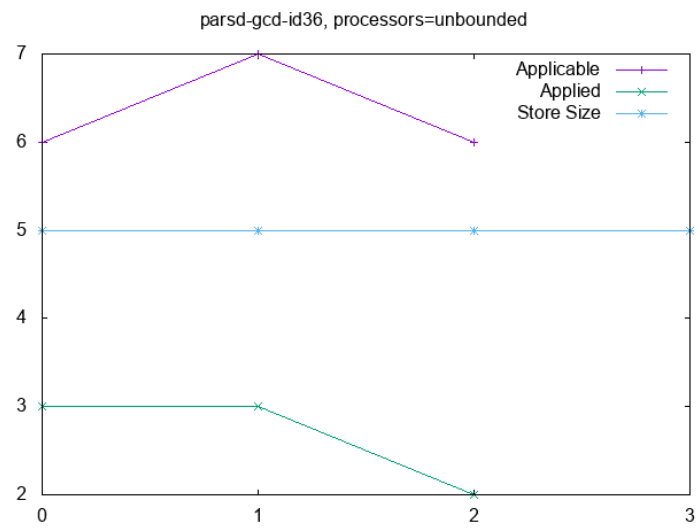
```

Store = Query = [ next(0,3) , next(0,5) , next(0,4) , next(0,1) ,
                  next(0,2) , [] ]
[ next(0,3) , next(0,5) , next(0,4) , next(0,1) , next(0,2) , [] ]
[ next(1,2) , next(1,3) , next(1,5) , next(1,4) , next(0,1) , [] ]
[ next(4,5) , next(2,4) , next(2,3) , next(1,2) , next(0,1) , [] ]
[ next(3,4) , next(4,5) , next(2,3) , next(1,2) , next(0,1) , [] ]

```



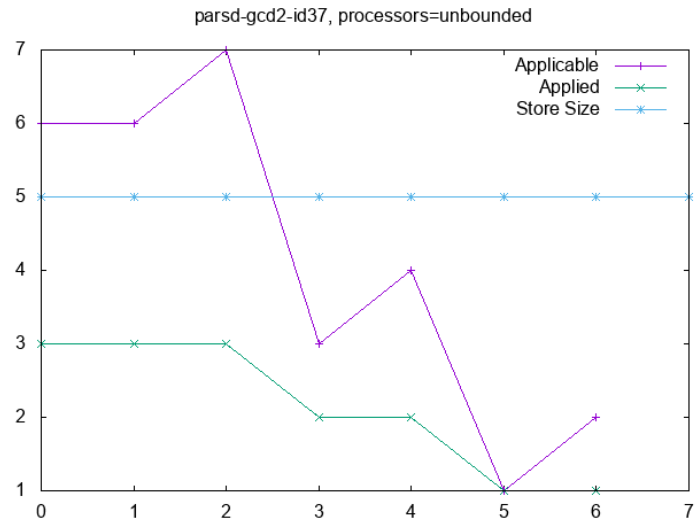
```
Store = Query = [prime(4),prime(2),prime(3),prime(5),[]]
[prime(4),prime(2),prime(3),prime(5),[]]
[prime(2),prime(3),prime(5),[]]
```



```

Store = Query = [gcd(3),gcd(4),gcd(5),gcd(2),[]]
[gcd(3),gcd(4),gcd(5),gcd(2),[]]
[gcd(3),gcd(1),gcd(2),gcd(2),[]]
[gcd(0),gcd(1),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

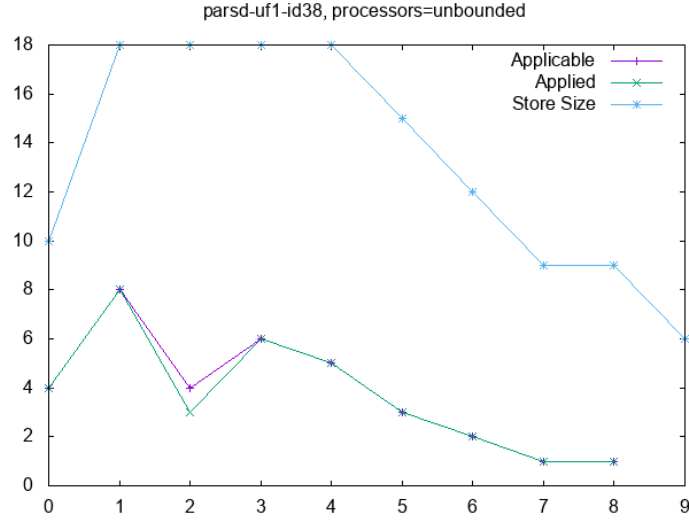
```



```

Store = Query = [gcd(11),gcd(5),gcd(16),gcd(7),[]]
[gcd(11),gcd(5),gcd(16),gcd(7),[]]
[gcd(9),gcd(4),gcd(2),gcd(5),[]]
[gcd(3),gcd(7),gcd(2),gcd(2),[]]
[gcd(0),gcd(1),gcd(5),gcd(2),[]]
[gcd(3),gcd(1),gcd(0),gcd(1),[]]
[gcd(0),gcd(2),gcd(0),gcd(1),[]]
[gcd(1),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

```



```

Store = Query = [ union (5,4) , union (3,5) , union (1,3) , union
                  (2,1) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (5,4) , union (3,5) , union (1,3) , union (2,1) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (1, _104512) , find (2, _104524) , find (4, _104536) , find (5,
  _104548) , find (5, _104560) , find (3, _104572) , find (3,
  _104584) , find (1, _104596) , link (_104524, _104512) , link (
  _104548, _104536) , link (_104572, _104560) , link (_104596,
  _104584) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ link (_104524, _104512) , link (_104548, _104536) , link (_104572
  , _104560) , link (_104596, _104584) , root (5) , root (4) , root
  (3) , root (2) , root (1) , found (1, _104596) , found (1, _104512) ,
  found (2, _104524) , found (4, _104536) , found (5, _104548) ,
  found (5, _104560) , found (3, _104572) , found (3, _104584) , [] ]
[ link (_104524, _104512) , link (_104548, _104536) , link (_104572
  , _104560) , link (_104596, _104584) , point (5,3) , point (3,1) ,
  point (1,2) , root (4) , root (2) , found (1, _104596) , found (1,
  _104512) , found (2, _104524) , found (4, _104536) , found (5,
  _104548) , found (5, _104560) , found (3, _104572) , found (3,
  _104584) , [] ]
[ link (_104524, _104512) , link (_104548, _104536) , link (_104572
  , _104560) , link (_104596, _104584) , point (5,3) , point (3,1) ,
  point (1,2) , root (4) , root (2) , found (2, _104596) , found (3,
  _104560) , found (3, _104548) , found (1, _104584) , found (1,
  _104572) , found (2, _104512) , found (2, _104524) , found (4,
  _104536) , [] ]
[ link (_104548, _104536) , link (_104572, _104560) , link (_104596
  , _104584) , point (5,3) , point (3,1) , point (1,2) , root (4) ,
  root (2) , found (1, _104560) , found (1, _104548) , found (2,
  _104584) , found (2, _104572) , found (2, _104596) , found (4,
  _104536) , [] ]

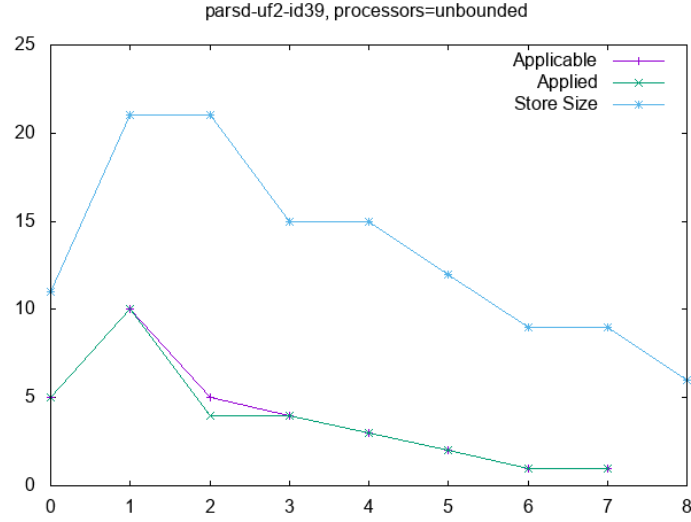
```



```

[ link (_104548, _104536), link (_104572, _104560), point (5, 3),
  point (3, 1), point (1, 2), root (4), root (2), found (2, _104560)
  , found (2, _104548), found (2, _104572), found (4, _104536)
  , [] ]
[ link (_104548, _104536), point (4, 2), point (5, 3), point (3, 1),
  point (1, 2), root (2), found (2, _104548), found (4, _104536)
  , [] ]
[ link (_104548, _104536), point (4, 2), point (5, 3), point (3, 1),
  point (1, 2), root (2), found (2, _104536), found (2, _104548)
  , [] ]
[ point (4, 2), point (5, 3), point (3, 1), point (1, 2), root (2), [] ]

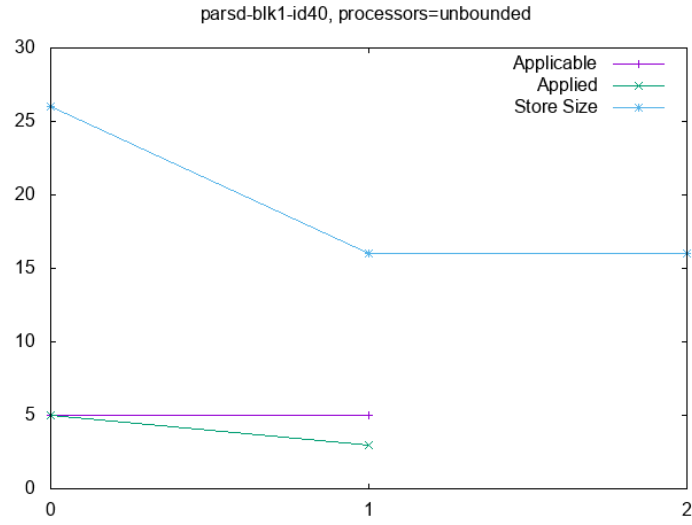
```



```

Store = Query = [ union (3,1) , union (3,3) , union (5,3) , union
                  (5,5) , union (4,5) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (3,1) , union (3,3) , union (5,3) , union (5,5) , union (4,5) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
... (line too long)
... (line too long)
[ link (_106374, _106362) , link (_106398, _106386) , link (_106446
  , _106434) , point (3,5) , point (5,4) , root (4) , root (2) , root
  (1) , found (5, _106362) , found (4, _106374) , found (1, _106386)
  , found (3, _106398) , found (3, _106434) , found (5, _106446)
  , [] ]
[ link (_106374, _106362) , link (_106398, _106386) , link (_106446
  , _106434) , point (3,5) , point (5,4) , root (4) , root (2) , root
  (1) , found (4, _106362) , found (5, _106434) , found (5, _106398)
  , found (4, _106446) , found (4, _106374) , found (1, _106386)
  , [] ]
[ link (_106398, _106386) , link (_106446, _106434) , point (3,5) ,
  point (5,4) , root (4) , root (2) , root (1) , found (4, _106398) ,
  found (4, _106434) , found (4, _106446) , found (1, _106386) , [] ]
[ link (_106398, _106386) , point (1,4) , point (3,5) , point (5,4) ,
  root (4) , root (2) , found (4, _106398) , found (1, _106386) , [] ]
[ link (_106398, _106386) , point (1,4) , point (3,5) , point (5,4) ,
  root (4) , root (2) , found (4, _106386) , found (4, _106398) , [] ]
[ point (1,4) , point (3,5) , point (5,4) , root (4) , root (2) , [] ]

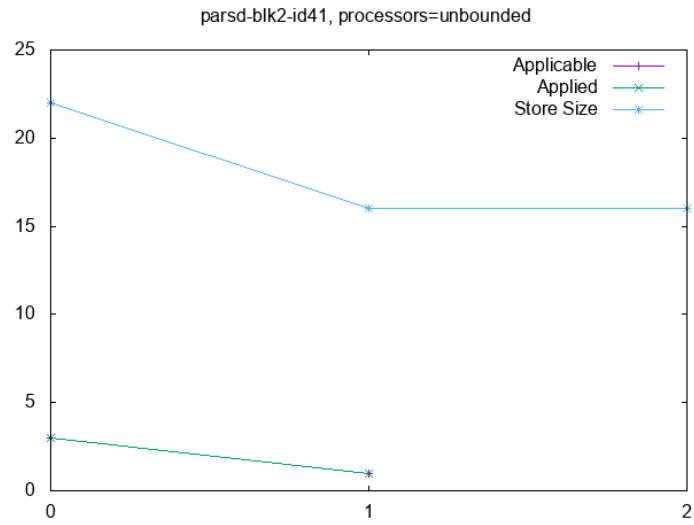
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
  (2,102),grab(1,101),empty(5),empty(4),empty(3),empty
  (2),empty(1),clear(105),clear(104),clear(103),clear
  (102),clear(101),on(105,5),on(104,4),on(103,3),on
  (102,2),on(101,1),put(1,3),put(4,1),put(2,4),put(2,2),
  put(5,2),[]]
... (line too long)
[clear(1),clear(5),clear(4),clear(3),clear(2),put(1,3),
  put(4,1),put(2,4),put(2,2),put(5,2),hold(1,101),hold
  (5,105),hold(4,104),hold(3,103),hold(2,102),[]]
[empty(2),empty(4),empty(1),clear(102),clear(104),clear
  (101),clear(5),clear(4),on(102,2),on(104,1),on(101,3),
  put(2,4),put(5,2),hold(5,105),hold(3,103),[]]

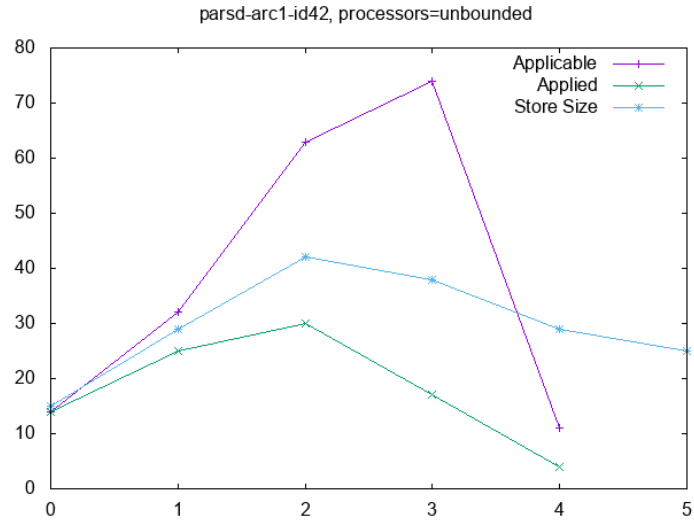
```



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(3,3),put(1,3),put(2,1),put(5,2),put(4,5),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(6),
  clear(4),put(3,3),put(1,3),put(2,1),put(5,2),put(4,5),
  hold(1,1),hold(5,5),hold(3,3),[]]
[grab(4,4),grab(2,2),empty(5),empty(4),empty(2),clear(5),
  clear(6),clear(4),on(5,2),put(3,3),put(1,3),put(2,1),
  put(4,5),hold(1,1),hold(3,3),[]]

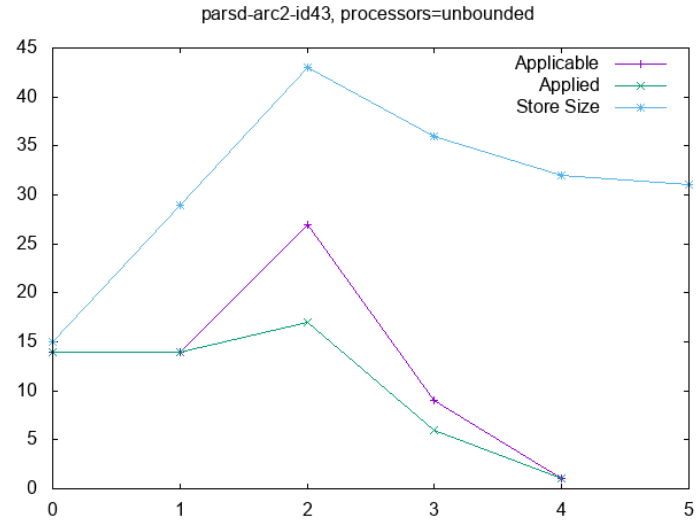
```



```

Store = Query = [arc(3,5,7),arc(3,5,9),arc(1,5,17),arc
  (1,4,13),arc(4,5,6),arc(4,5,5),arc(2,4,6),arc(2,3,4),
  arc(2,3,3),arc(1,5,21),arc(4,5,5),arc(3,4,4),arc
  (2,3,3),arc(1,2,2),[]]
[arc(3,5,7),arc(3,5,9),arc(1,5,17),arc(1,4,13),arc(4,5,6)
,arc(4,5,5),arc(2,4,6),arc(2,3,4),arc(2,3,3),arc
(1,5,21),arc(4,5,5),arc(3,4,4),arc(2,3,3),arc(1,2,2)
,[],[]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)

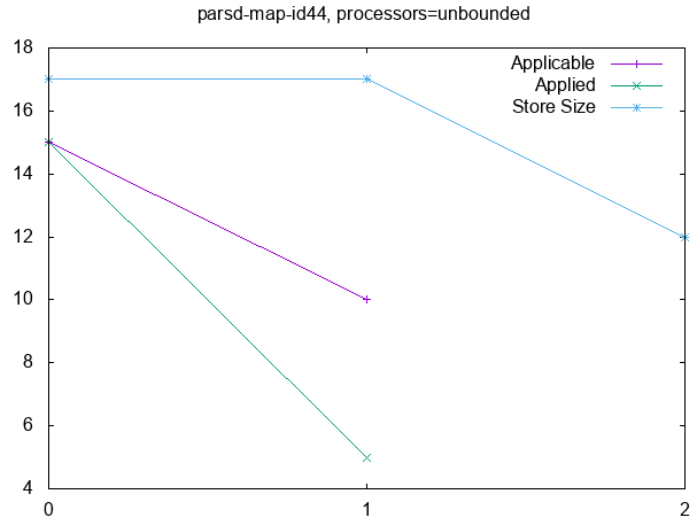
```



```

Store = Query = [ arc(1,3,7), arc(3,4,5), arc(2,4,6), arc
(2,5,14), arc(5,9,25), arc(4,9,34), arc(3,9,45), arc
(2,9,58), arc(1,9,73), arc(0,5,25), arc(0,4,16), arc
(0,3,9), arc(0,2,4), arc(0,1,1), [] ]
[ arc(1,3,7), arc(3,4,5), arc(2,4,6), arc(2,5,14), arc(5,9,25)
, arc(4,9,34), arc(3,9,45), arc(2,9,58), arc(1,9,73), arc
(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4), arc(0,1,1)
, [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)

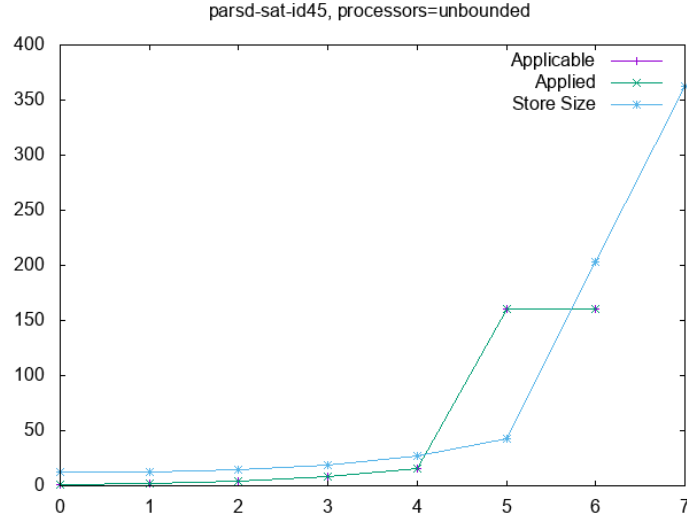
```



```

Store = Query = [mapreduce(cw,cw),data(9),data(8),data(1)
, data(2),data(5),data(2),data(10),data(6),data(4),data
(1),data(3),data(5),data(4),data(7),data(3),[]]
[mapreduce(cw,cw),data(9),data(8),data(1),data(2),data(5)
,data(2),data(10),data(6),data(4),data(1),data(3),data
(5),data(4),data(7),data(3),[]]
[mapreduce(cw,cw),work(cw,3,1),work(cw,9,1),work(cw,8,1),
work(cw,1,1),work(cw,2,1),work(cw,5,1),work(cw,2,1),
work(cw,10,1),work(cw,6,1),work(cw,4,1),work(cw,1,1),
work(cw,3,1),work(cw,5,1),work(cw,4,1),work(cw,7,1)
,[]]
[mapreduce(cw,cw),work(cw,4,2),work(cw,3,2),work(cw,1,2),
work(cw,2,2),work(cw,5,2),work(cw,9,1),work(cw,8,1),
work(cw,10,1),work(cw,6,1),work(cw,7,1),[]]

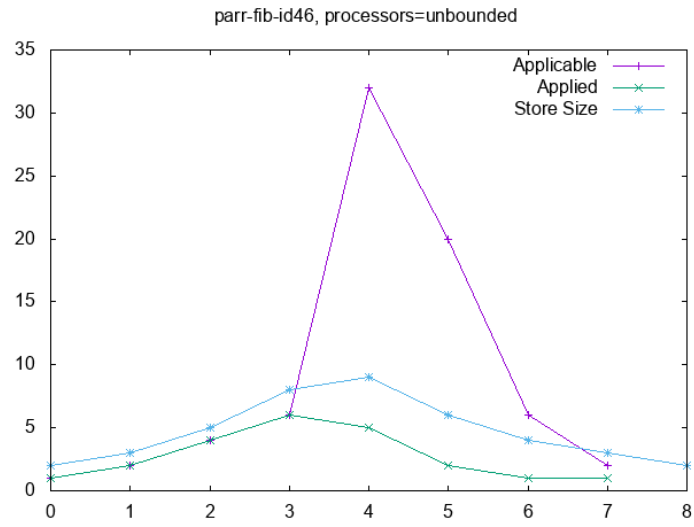
```



```

Store = Query = [ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 12 , or ( 1 , 2 ) ) , eq ( 51 ,
    and ( 5 , 1 ) ) , eq ( 15 , or ( 1 , 5 ) ) , eq ( 41 , and ( 4 , 1 ) ) , eq ( 54 , and
    ( 5 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq
    ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 12 , or ( 1 , 2 ) ) , eq ( 51 , and ( 5 , 1 ) ) , eq ( 15 ,
    or ( 1 , 5 ) ) , eq ( 41 , and ( 4 , 1 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq
    ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 2 , 3 , 4 , 5 ] , [ false ( 1 ) ] ) , f ([ 2 , 3 , 4 , 5 ] , [ true ( 1 ) ] ) , eq ( 12 , or
    ( 1 , 2 ) ) , eq ( 51 , and ( 5 , 1 ) ) , eq ( 15 , or ( 1 , 5 ) ) , eq ( 41 , and ( 4 , 1 ) ) ,
    eq ( 54 , and ( 5 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 ,
    v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 3 , 4 , 5 ] , [ false ( 2 ) , true ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) , true ( 1 )
    ] ) , f ([ 3 , 4 , 5 ] , [ false ( 2 ) , false ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) ,
    false ( 1 ) ] ) , eq ( 12 , or ( 1 , 2 ) ) , eq ( 51 , and ( 5 , 1 ) ) , eq ( 15 , or
    ( 1 , 5 ) ) , eq ( 41 , and ( 4 , 1 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq
    ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) ,
    true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , true ( 1 )
    ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ false
    ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , true ( 1 )
    ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true
    ( 3 ) , false ( 2 ) , false ( 1 ) ] ) , eq ( 12 , or ( 1 , 2 ) ) , eq ( 51 , and ( 5 , 1 ) )
    , eq ( 15 , or ( 1 , 5 ) ) , eq ( 41 , and ( 4 , 1 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 5 , v
    ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)

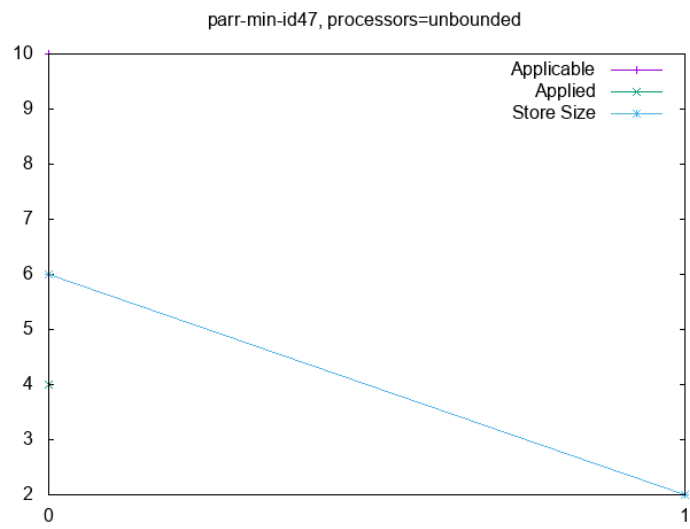
```

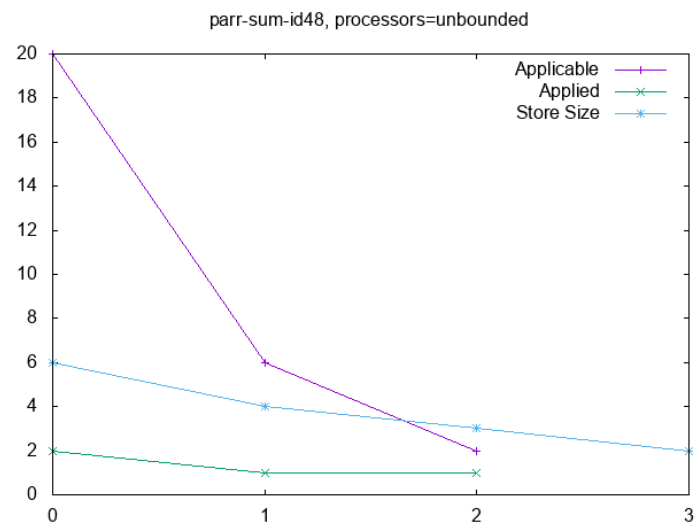
```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (2) , fib (3) , fib (1) , fib (2) , [] ]
[ sum (1) , fib (0) , fib (1) , fib (1) , fib (2) , fib (0) , fib (1) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (0) , fib (1)
  , [] ]
[ sum (2) , sum (2) , sum (2) , sum (1) , sum (1) , [] ]
[ sum (4) , sum (3) , sum (1) , [] ]
[ sum (5) , sum (3) , [] ]
[ sum (8) , [] ]

```



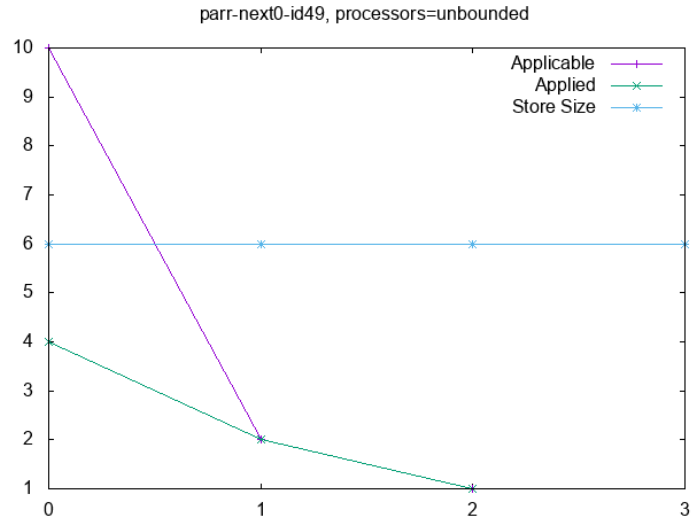
Store = Query = [min(1) ,min(4) ,min(5) ,min(3) ,min(2) ,[]]
 [min(1) ,min(4) ,min(5) ,min(3) ,min(2) ,[]]
 [min(1) ,[]]



```

Store = Query = [sum(2),sum(3),sum(1),sum(4),sum(5),[]]
[sum(2),sum(3),sum(1),sum(4),sum(5),[]]
[sum(6),sum(6),sum(3),[]]
[sum(9),sum(6),[]]
[sum(15),[]]

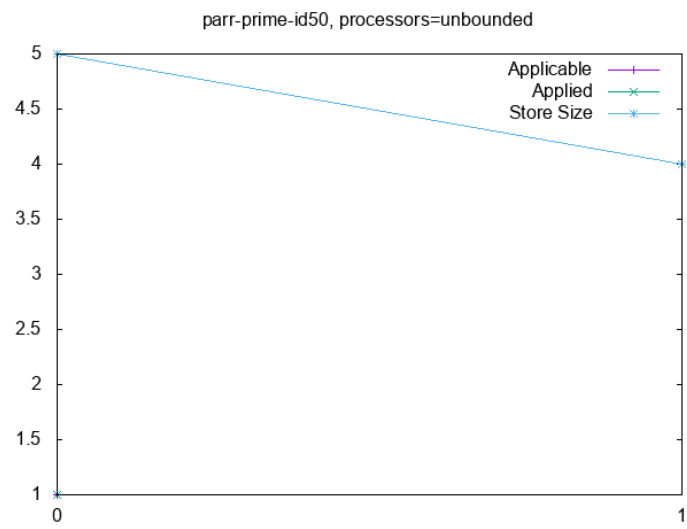
```



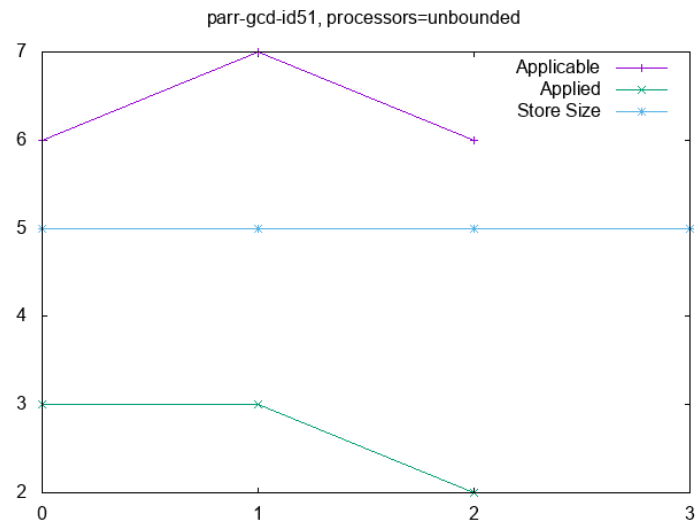
```

Store = Query = [ next(0,1) , next(0,5) , next(0,4) , next(0,3) ,
                  next(0,2) , [] ]
[ next(0,1) , next(0,5) , next(0,4) , next(0,3) , next(0,2) , [] ]
[ next(2,5) , next(2,4) , next(1,3) , next(1,2) , next(0,1) , [] ]
[ next(4,5) , next(2,3) , next(2,4) , next(1,2) , next(0,1) , [] ]
[ next(3,4) , next(4,5) , next(2,3) , next(1,2) , next(0,1) , [] ]

```



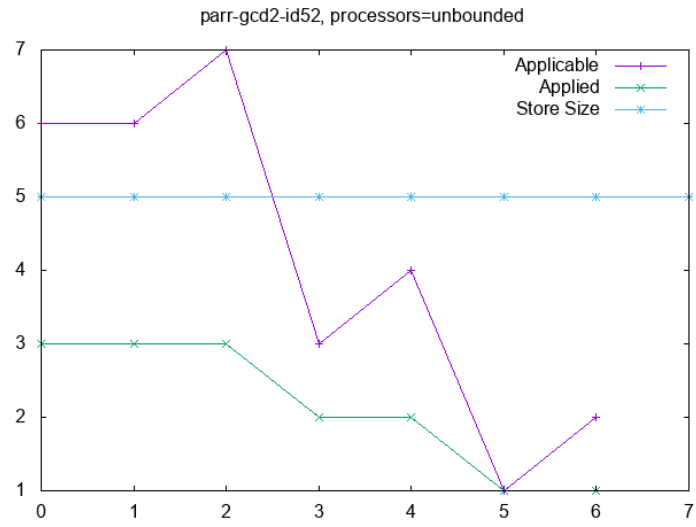
```
Store = Query = [prime(5),prime(4),prime(2),prime(3),[]]
[prime(5),prime(4),prime(2),prime(3),[]]
[prime(5),prime(2),prime(3),[]]
```



```

Store = Query = [gcd(2),gcd(5),gcd(3),gcd(4),[]]
[gcd(2),gcd(5),gcd(3),gcd(4),[]]
[gcd(1),gcd(1),gcd(3),gcd(2),[]]
[gcd(1),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

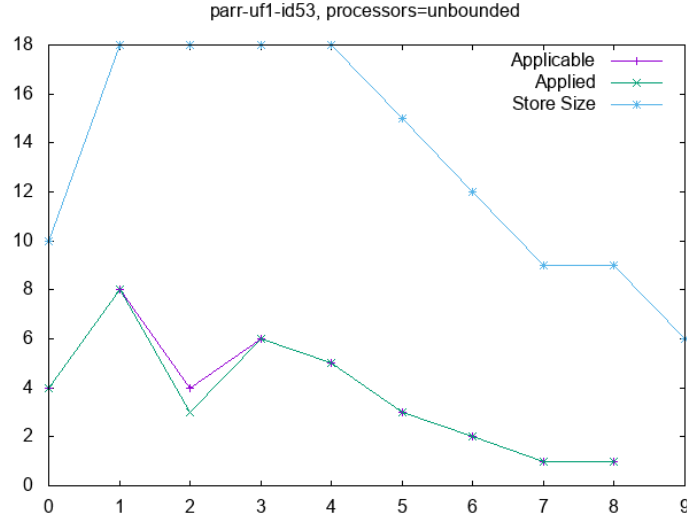
```



```

Store = Query = [gcd(7),gcd(11),gcd(5),gcd(16),[]]
[gcd(7),gcd(11),gcd(5),gcd(16),[]]
[gcd(4),gcd(2),gcd(11),gcd(5),[]]
[gcd(6),gcd(2),gcd(3),gcd(2),[]]
[gcd(4),gcd(0),gcd(1),gcd(2),[]]
[gcd(1),gcd(3),gcd(0),gcd(1),[]]
[gcd(0),gcd(2),gcd(0),gcd(1),[]]
[gcd(1),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

```



```

Store = Query = [ union (3,5) , union (2,3) , union (4,2) , union
  (1,4) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (3,5) , union (2,3) , union (4,2) , union (1,4) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (2, _158192) , find (4, _158204) , find (3, _158216) , find (2,
  _158228) , find (5, _158240) , find (3, _158252) , find (4,
  _158264) , find (1, _158276) , link (_158204, _158192) , link (
  _158228, _158216) , link (_158252, _158240) , link (_158276,
  _158264) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ link (_158204, _158192) , link (_158228, _158216) , link (_158252
  , _158240) , link (_158276, _158264) , root (5) , root (4) , root
  (3) , root (2) , root (1) , found (4, _158204) , found (3, _158216) ,
  found (5, _158240) , found (4, _158264) , found (1, _158276) ,
  found (3, _158252) , found (2, _158228) , found (2, _158192) , [] ]
[ link (_158204, _158192) , link (_158228, _158216) , link (_158252
  , _158240) , link (_158276, _158264) , point (3,2) , point (2,4) ,
  point (4,1) , root (5) , root (1) , found (4, _158204) , found (3,
  _158216) , found (5, _158240) , found (4, _158264) , found (1,
  _158276) , found (3, _158252) , found (2, _158228) , found (2,
  _158192) , [] ]
[ link (_158204, _158192) , link (_158228, _158216) , link (_158252
  , _158240) , link (_158276, _158264) , point (3,2) , point (2,4) ,
  point (4,1) , root (5) , root (1) , found (1, _158204) , found (2,
  _158252) , found (4, _158192) , found (4, _158228) , found (1,
  _158264) , found (2, _158216) , found (5, _158240) , found (1,
  _158276) , [] ]
[ link (_158204, _158192) , link (_158228, _158216) , link (_158252
  , _158240) , point (3,2) , point (2,4) , point (4,1) , root (5) ,
  root (1) , found (1, _158228) , found (4, _158252) , found (4,
  _158216) , found (1, _158192) , found (1, _158204) , found (5,
  _158240) , [] ]

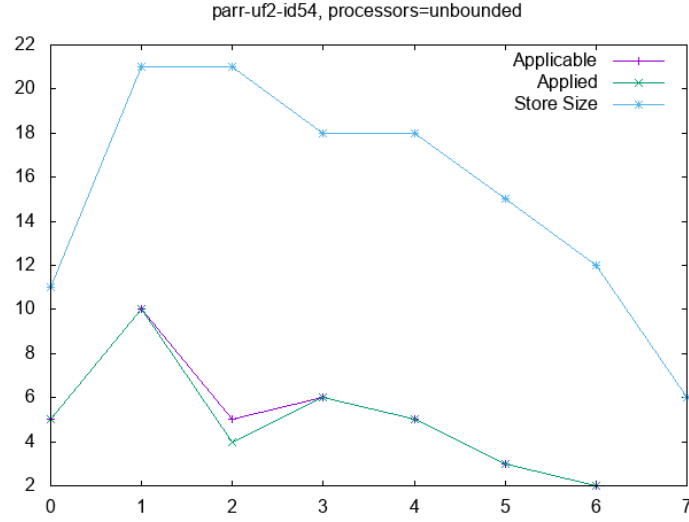
```



```

[ link (_158228, _158216), link (_158252, _158240), point (3, 2),
  point (2, 4), point (4, 1), root (5), root (1), found (1, _158252)
  , found (1, _158216), found (1, _158228), found (5, _158240)
  , [] ]
[ link (_158252, _158240), point (5, 1), point (3, 2), point (2, 4),
  point (4, 1), root (1), found (1, _158252), found (5, _158240)
  , [] ]
[ link (_158252, _158240), point (5, 1), point (3, 2), point (2, 4),
  point (4, 1), root (1), found (1, _158240), found (1, _158252)
  , [] ]
[ point (5, 1), point (3, 2), point (2, 4), point (4, 1), root (1), [] ]

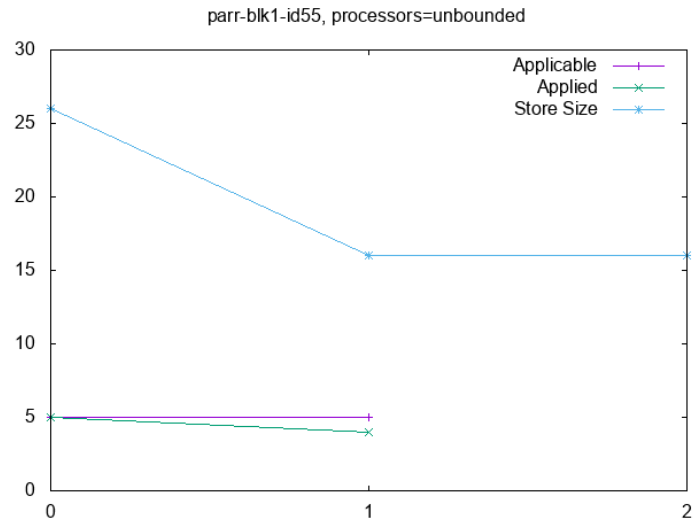
```



```

Store = Query = [ union (4,1) , union (2,4) , union (2,2) , union
                  (5,2) , union (1,5) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (4,1) , union (2,4) , union (2,2) , union (5,2) , union (1,5) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
... (line too long)
... (line too long)
[ link (_160054, _160042) , link (_160078, _160066) , link (_160102
  , _160090) , link (_160126, _160114) , point (5,1) , point (1,4) ,
  point (4,2) , root (3) , root (2) , found (5, _160066) , found (5,
  _160054) , found (1, _160114) , found (1, _160078) , found (2,
  _160042) , found (4, _160090) , found (2, _160102) , found (4,
  _160126) , [] ]
[ link (_160054, _160042) , link (_160078, _160066) , link (_160102
  , _160090) , link (_160126, _160114) , point (5,1) , point (1,4) ,
  point (4,2) , root (3) , root (2) , found (1, _160066) , found (2,
  _160090) , found (4, _160078) , found (4, _160114) , found (1,
  _160054) , found (2, _160126) , found (2, _160042) , found (2,
  _160102) , [] ]
[ link (_160054, _160042) , link (_160078, _160066) , link (_160126
  , _160114) , point (5,1) , point (1,4) , point (4,2) , root (3) ,
  root (2) , found (2, _160078) , found (4, _160066) , found (2,
  _160114) , found (4, _160054) , found (2, _160126) , found (2,
  _160042) , [] ]
[ link (_160054, _160042) , link (_160078, _160066) , point (5,1) ,
  point (1,4) , point (4,2) , root (3) , root (2) , found (2, _160054)
  , found (2, _160066) , found (2, _160078) , found (2, _160042)
  , [] ]
[ point (5,1) , point (1,4) , point (4,2) , root (3) , root (2) , [] ]

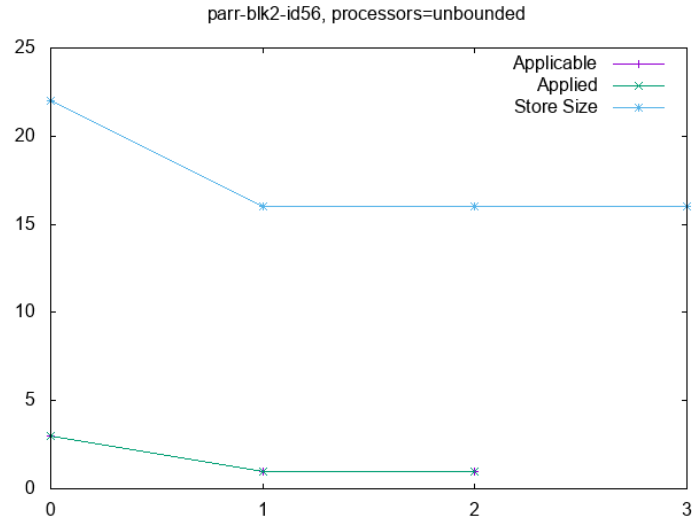
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
  (2,102),grab(1,101),empty(5),empty(4),empty(3),empty
  (2),empty(1),clear(105),clear(104),clear(103),clear
  (102),clear(101),on(105,5),on(104,4),on(103,3),on
  (102,2),on(101,1),put(5,1),put(4,5),put(3,4),put(2,3),
  put(4,2),[]]
... (line too long)
[clear(5),clear(1),clear(2),clear(3),clear(4),put(5,1),
  put(4,5),put(3,4),put(2,3),put(4,2),hold(5,105),hold
  (1,101),hold(2,102),hold(3,103),hold(4,104),[]]
[empty(3),empty(4),empty(5),empty(2),clear(103),clear
  (104),clear(105),clear(102),clear(5),on(103,4),on
  (104,2),on(105,1),on(102,3),put(4,5),hold(1,101),[]]

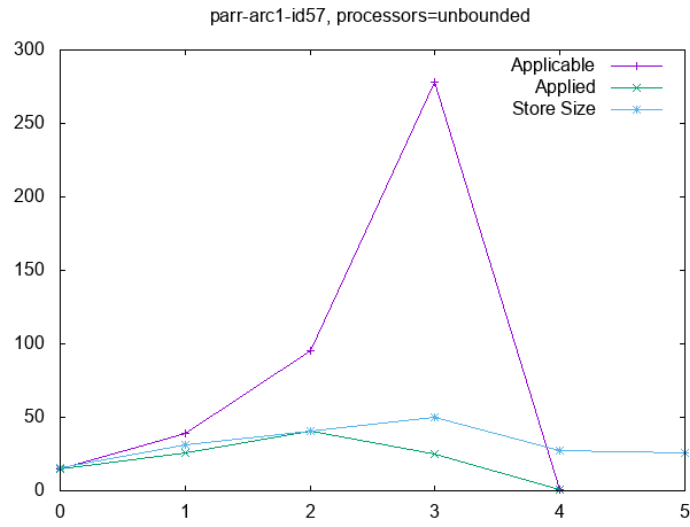
```



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(3,1),put(5,3),put(4,5),put(5,4),put(3,5),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(6),
  clear(4),put(3,1),put(5,3),put(4,5),put(5,4),put(3,5),
  hold(1,1),hold(5,5),hold(3,3),[]]
[grab(4,4),grab(2,2),empty(5),empty(4),empty(2),clear(5),
  clear(2),clear(6),on(5,4),put(3,1),put(5,3),put(4,5),
  put(3,5),hold(1,1),hold(3,3),[]]
[grab(4,4),grab(2,2),empty(3),empty(5),empty(4),empty(2),
  clear(3),clear(2),clear(6),on(3,5),on(5,4),put(3,1),
  put(5,3),put(4,5),hold(1,1),[]]

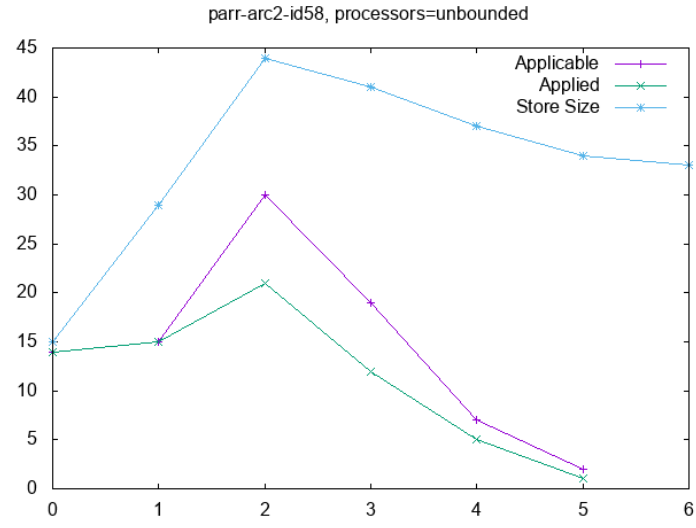
```



```

Store = Query = [arc(3,5,7),arc(2,3,3),arc(1,2,2),arc
  (1,5,21),arc(3,5,7),arc(3,5,9),arc(1,5,17),arc(1,2,3),
  arc(2,5,14),arc(3,5,7),arc(1,5,21),arc(4,5,5),arc
  (3,4,4),arc(2,3,3),arc(1,2,2),[]]
[arc(3,5,7),arc(2,3,3),arc(1,2,2),arc(1,5,21),arc(3,5,7),
  arc(3,5,9),arc(1,5,17),arc(1,2,3),arc(2,5,14),arc
  (3,5,7),arc(1,5,21),arc(4,5,5),arc(3,4,4),arc(2,3,3),
  arc(1,2,2),[]]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)

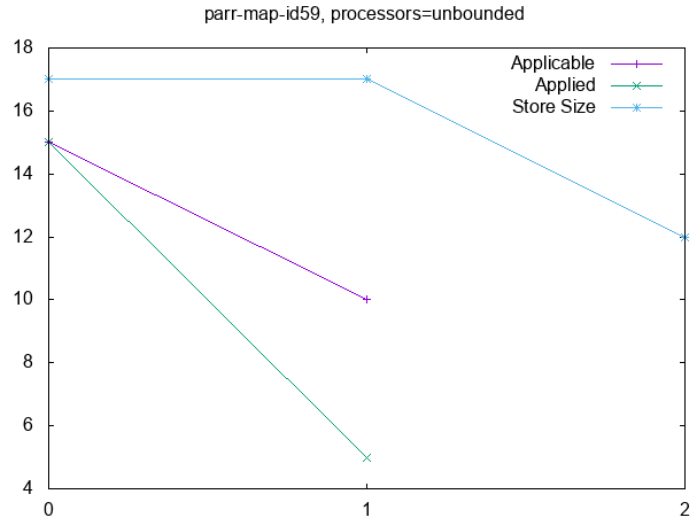
```



```

Store = Query = [ arc (1,2,3) , arc (2,3,4) , arc (3,5,9) , arc
                  (4,5,5) , arc (5,9,25) , arc (4,9,34) , arc (3,9,45) , arc
                  (2,9,58) , arc (1,9,73) , arc (0,5,25) , arc (0,4,16) , arc
                  (0,3,9) , arc (0,2,4) , arc (0,1,1) , [] ]
[ arc (1,2,3) , arc (2,3,4) , arc (3,5,9) , arc (4,5,5) , arc (5,9,25) ,
  arc (4,9,34) , arc (3,9,45) , arc (2,9,58) , arc (1,9,73) , arc
  (0,5,25) , arc (0,4,16) , arc (0,3,9) , arc (0,2,4) , arc (0,1,1)
  , [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)

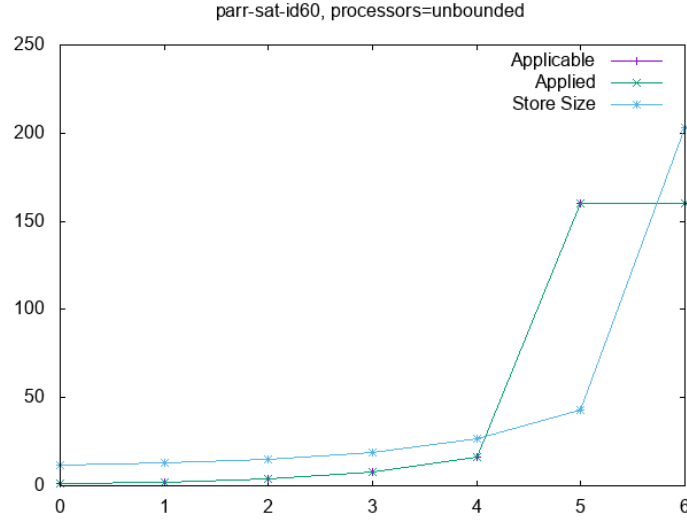
```



```

Store = Query = [mapreduce(cw,cw),data(7),data(10),data
(2),data(5),data(4),data(1),data(2),data(3),data(9),
data(4),data(3),data(8),data(6),data(1),data(5),[]]
[mapreduce(cw,cw),data(7),data(10),data(2),data(5),data
(4),data(1),data(2),data(3),data(9),data(4),data(3),
data(8),data(6),data(1),data(5),[]]
[mapreduce(cw,cw),work(cw,6,1),work(cw,4,1),work(cw,2,1),
work(cw,7,1),work(cw,8,1),work(cw,2,1),work(cw,4,1),
work(cw,10,1),work(cw,5,1),work(cw,3,1),work(cw,1,1),
work(cw,9,1),work(cw,3,1),work(cw,5,1),work(cw,1,1)
,[]]
[mapreduce(cw,cw),work(cw,4,2),work(cw,1,2),work(cw,5,2),
work(cw,2,2),work(cw,3,2),work(cw,6,1),work(cw,7,1),
work(cw,8,1),work(cw,10,1),work(cw,9,1),[]]

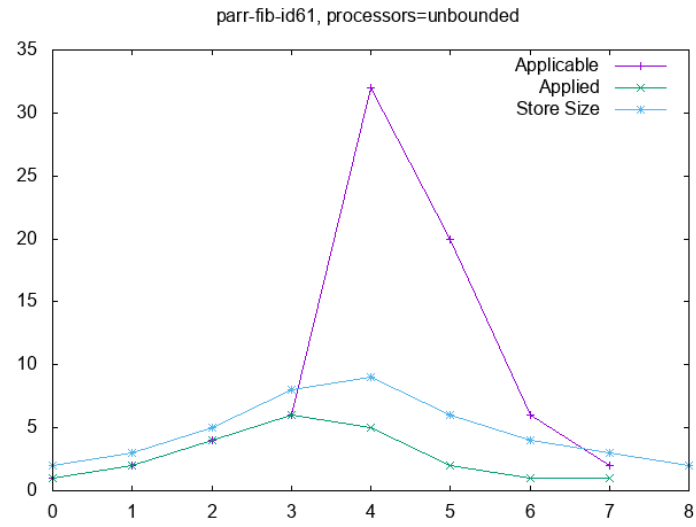
```



```

Store = Query = [ f ([1,2,3,4,5],[]) ,eq(51,and(5,1)) ,eq(25,
    or(2,5)) ,eq(32,and(3,2)) ,eq(33,neg(3)) ,eq(23,or(2,3)) ,
    eq(5,v(5)) ,eq(4,v(4)) ,eq(3,v(3)) ,eq(2,v(2)) ,eq(1,v(1))
    ,[]]
[ f ([1,2,3,4,5],[]) ,eq(51,and(5,1)) ,eq(25,or(2,5)) ,eq(32,
    and(3,2)) ,eq(33,neg(3)) ,eq(23,or(2,3)) ,eq(5,v(5)) ,eq
    (4,v(4)) ,eq(3,v(3)) ,eq(2,v(2)) ,eq(1,v(1)) ,[]]
[ f ([2,3,4,5],[false(1)]) ,f ([2,3,4,5],[true(1)]) ,eq(51,and
    (5,1)) ,eq(25,or(2,5)) ,eq(32,and(3,2)) ,eq(33,neg(3)) ,eq
    (23,or(2,3)) ,eq(5,v(5)) ,eq(4,v(4)) ,eq(3,v(3)) ,eq(2,v
    (2)) ,eq(1,v(1)) ,[]]
[ f ([3,4,5],[false(2),false(1)]) ,f ([3,4,5],[true(2),false
    (1)]) ,f ([3,4,5],[false(2),true(1)]) ,f ([3,4,5],[true(2)
    ,true(1)]) ,eq(51,and(5,1)) ,eq(25,or(2,5)) ,eq(32,and
    (3,2)) ,eq(33,neg(3)) ,eq(23,or(2,3)) ,eq(5,v(5)) ,eq(4,v
    (4)) ,eq(3,v(3)) ,eq(2,v(2)) ,eq(1,v(1)) ,[]]
[ f ([4,5],[false(3),false(2),true(1)]) ,f ([4,5],[true(3),
    false(2),true(1)]) ,f ([4,5],[false(3),true(2),true(1)])
    ,f ([4,5],[true(3),true(2),true(1)]) ,f ([4,5],[false(3),
    false(2),false(1)]) ,f ([4,5],[true(3),false(2),false(1)
    ]) ,f ([4,5],[false(3),true(2),false(1)]) ,f ([4,5],[true
    (3),true(2),false(1)]) ,eq(51,and(5,1)) ,eq(25,or(2,5)) ,
    eq(32,and(3,2)) ,eq(33,neg(3)) ,eq(23,or(2,3)) ,eq(5,v(5)
    ) ,eq(4,v(4)) ,eq(3,v(3)) ,eq(2,v(2)) ,eq(1,v(1)) ,[]]
... (line too long)
... (line too long)
... (line too long)

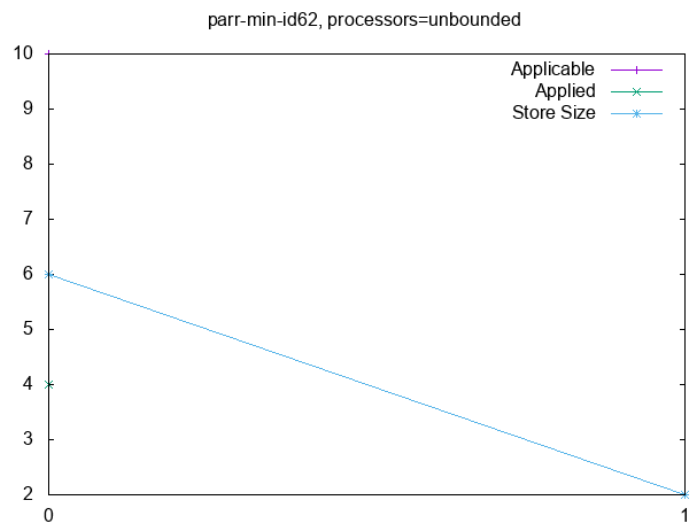
```

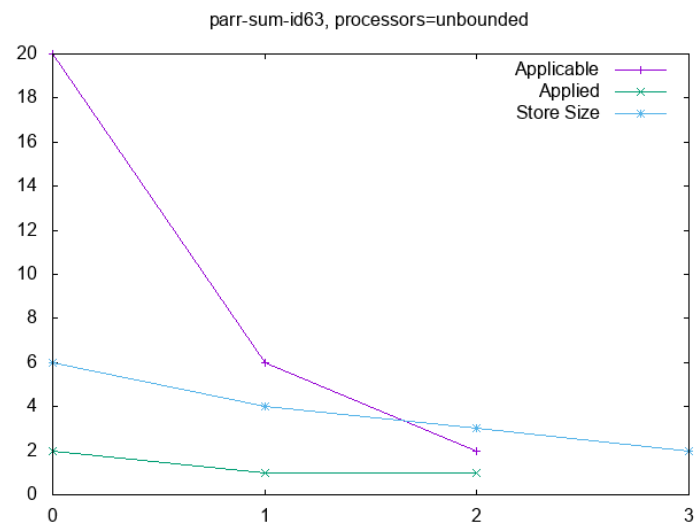
```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (2) , fib (3) , fib (1) , fib (2) , [] ]
[ sum (1) , fib (0) , fib (1) , fib (0) , fib (1) , fib (1) , fib (2) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (0) , fib (1)
  , [] ]
[ sum (2) , sum (2) , sum (1) , sum (2) , sum (1) , [] ]
[ sum (4) , sum (2) , sum (2) , [] ]
[ sum (6) , sum (2) , [] ]
[ sum (8) , [] ]

```



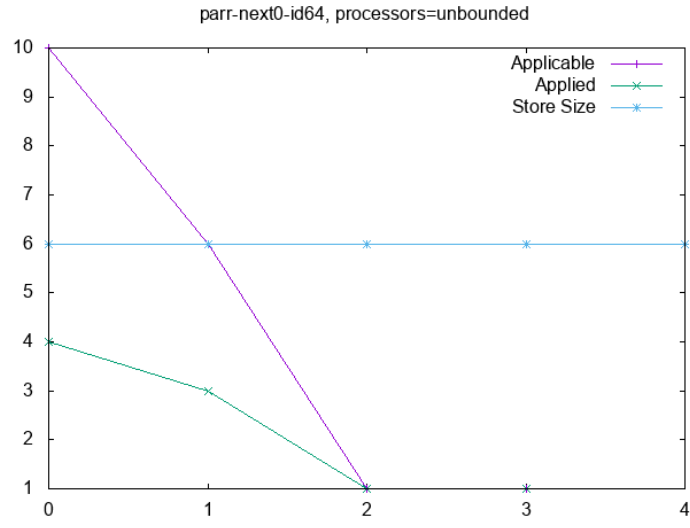
Store = Query = [min(4), min(3), min(2), min(5), min(1), []]
 [min(4), min(3), min(2), min(5), min(1), []]
 [min(1), []]



```

Store = Query = [sum(5),sum(2),sum(1),sum(4),sum(3),[]]
[sum(5),sum(2),sum(1),sum(4),sum(3),[]]
[sum(8),sum(5),sum(2),[]]
[sum(13),sum(2),[]]
[sum(15),[]]

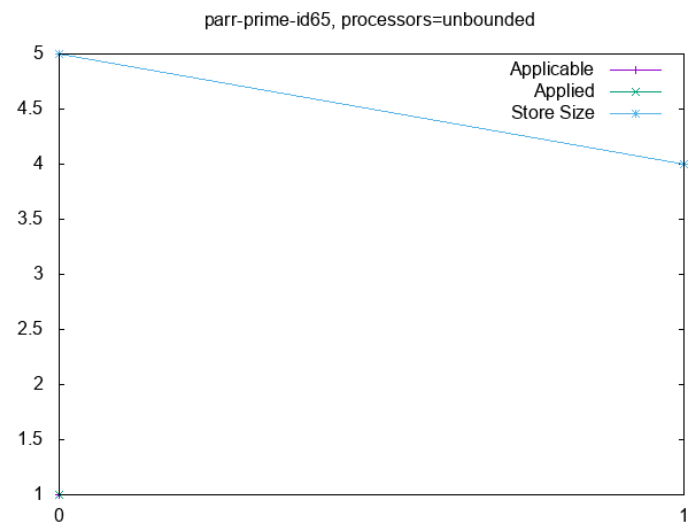
```



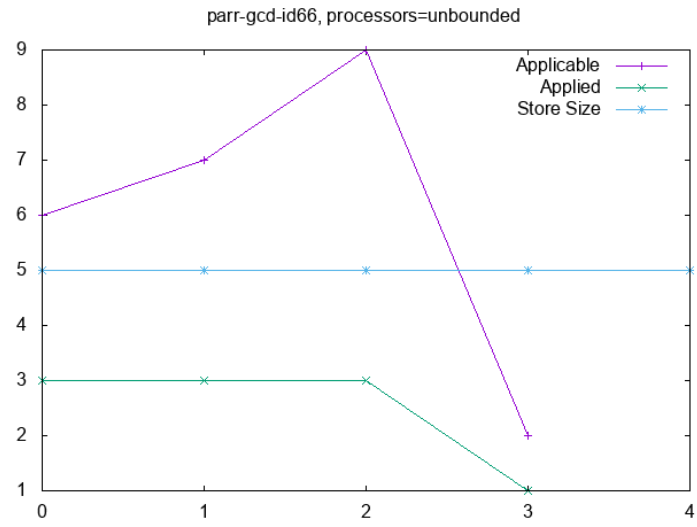
```

Store = Query = [next(0,4),next(0,2),next(0,1),next(0,3),
                  next(0,5),[]]
[next(0,4),next(0,2),next(0,1),next(0,3),next(0,5),[]]
[next(1,3),next(1,2),next(1,5),next(1,4),next(0,1),[]]
[next(2,5),next(3,4),next(2,3),next(1,2),next(0,1),[]]
[next(3,5),next(3,4),next(2,3),next(1,2),next(0,1),[]]
[next(4,5),next(3,4),next(2,3),next(1,2),next(0,1),[]]

```



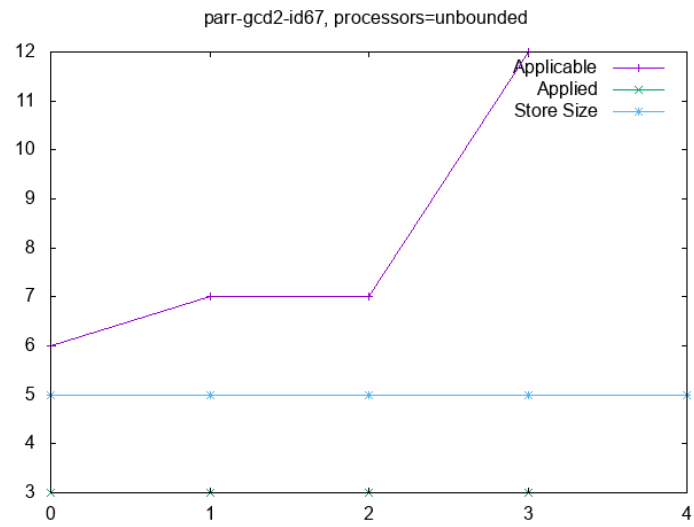
```
Store = Query = [prime(5),prime(3),prime(2),prime(4),[]]
[prime(5),prime(3),prime(2),prime(4),[]]
[prime(5),prime(3),prime(2),[]]
```



```

Store = Query = [gcd(3),gcd(4),gcd(5),gcd(2),[]]
[gcd(3),gcd(4),gcd(5),gcd(2),[]]
[gcd(2),gcd(1),gcd(3),gcd(2),[]]
[gcd(1),gcd(1),gcd(2),gcd(1),[]]
[gcd(0),gcd(1),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

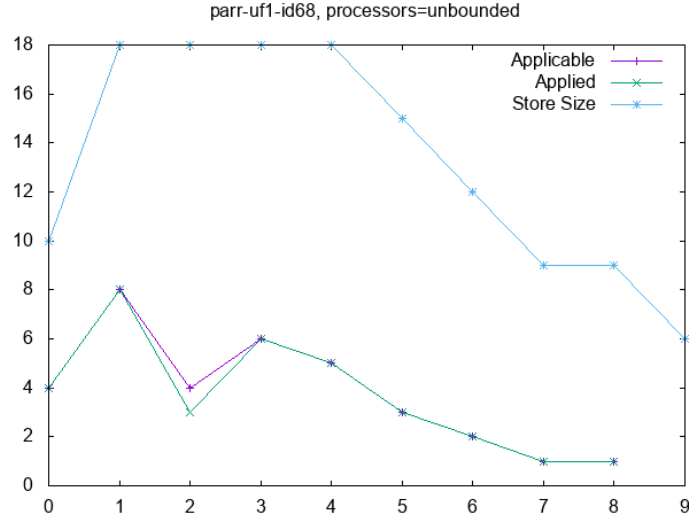
```



```

Store = Query = [gcd(16),gcd(5),gcd(7),gcd(11),[]]
[gcd(16),gcd(5),gcd(7),gcd(11),[]]
[gcd(5),gcd(2),gcd(6),gcd(5),[]]
[gcd(1),gcd(3),gcd(3),gcd(2),[]]
[gcd(1),gcd(1),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

```



```

Store = Query = [ union (1,5) , union (2,1) , union (4,2) , union
                  (3,4) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (1,5) , union (2,1) , union (4,2) , union (3,4) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (5, _190234) , find (1, _190246) , find (2, _190258) , find (4,
  _190270) , find (4, _190282) , find (3, _190294) , find (1,
  _190306) , find (2, _190318) , link (_190246, _190234) , link (
  _190270, _190258) , link (_190294, _190282) , link (_190318,
  _190306) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ link (_190246, _190234) , link (_190270, _190258) , link (_190294
  , _190282) , link (_190318, _190306) , root (5) , root (4) , root
  (3) , root (2) , root (1) , found (4, _190270) , found (2, _190318) ,
  found (4, _190282) , found (1, _190306) , found (1, _190246) ,
  found (5, _190234) , found (3, _190294) , found (2, _190258) , [] ]
[ link (_190246, _190234) , link (_190270, _190258) , link (_190294
  , _190282) , link (_190318, _190306) , point (1,2) , point (2,4) ,
  point (4,3) , root (5) , root (3) , found (4, _190270) , found (2,
  _190318) , found (4, _190282) , found (1, _190306) , found (1,
  _190246) , found (5, _190234) , found (3, _190294) , found (2,
  _190258) , [] ]
[ link (_190246, _190234) , link (_190270, _190258) , link (_190294
  , _190282) , link (_190318, _190306) , point (1,2) , point (2,4) ,
  point (4,3) , root (5) , root (3) , found (2, _190306) , found (4,
  _190258) , found (3, _190270) , found (2, _190246) , found (4,
  _190318) , found (3, _190282) , found (5, _190234) , found (3,
  _190294) , [] ]
[ link (_190246, _190234) , link (_190270, _190258) , link (_190318
  , _190306) , point (1,2) , point (2,4) , point (4,3) , root (5) ,
  root (3) , found (4, _190246) , found (3, _190318) , found (3,
  _190258) , found (4, _190306) , found (3, _190270) , found (5,
  _190234) , [] ]

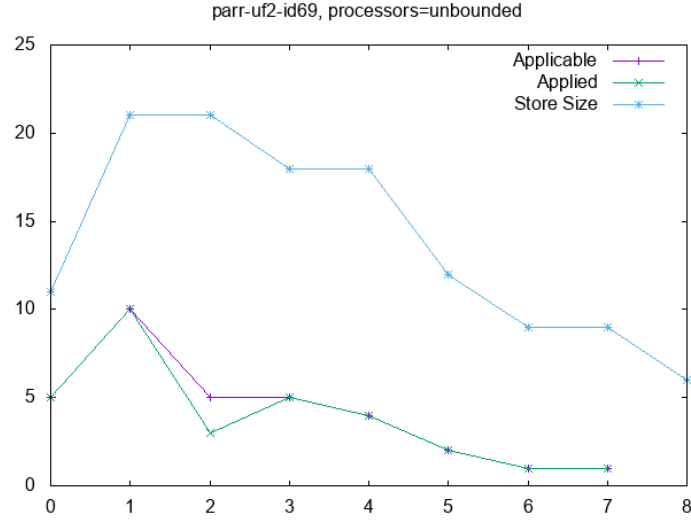
```



```

[ link (_190246 , _190234) , link (_190318 , _190306) , point (1 , 2) ,
  point (2 , 4) , point (4 , 3) , root (5) , root (3) , found (3 , _190306)
  , found (3 , _190246) , found (3 , _190318) , found (5 , _190234)
  , [] ]
[ link (_190246 , _190234) , point (5 , 3) , point (1 , 2) , point (2 , 4) ,
  point (4 , 3) , root (3) , found (3 , _190246) , found (5 , _190234)
  , [] ]
[ link (_190246 , _190234) , point (5 , 3) , point (1 , 2) , point (2 , 4) ,
  point (4 , 3) , root (3) , found (3 , _190234) , found (3 , _190246)
  , [] ]
[ point (5 , 3) , point (1 , 2) , point (2 , 4) , point (4 , 3) , root (3) , [] ]

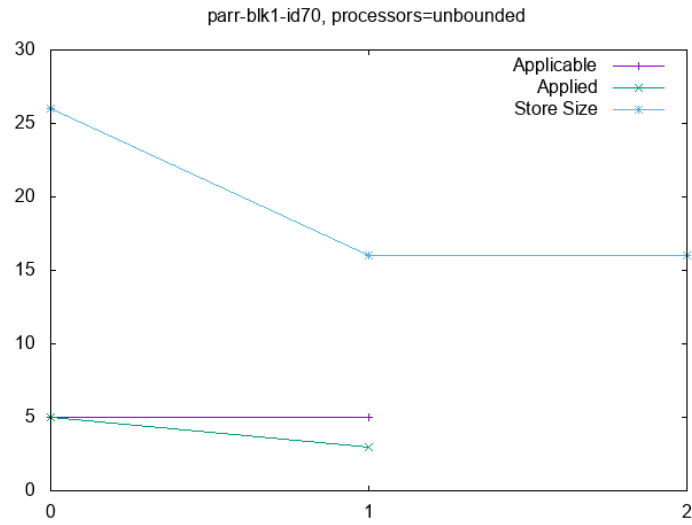
```



```

Store = Query = [ union (5,2) , union (4,5) , union (3,4) , union
                  (3,3) , union (4,3) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (5,2) , union (4,5) , union (3,4) , union (3,3) , union (4,3) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
... (line too long)
... (line too long)
[ link (_192096, _192084) , link (_192120, _192108) , link (_192144
  , _192132) , link (_192168, _192156) , point (5,4) , point (4,3) ,
  root (3) , root (2) , root (1) , found (4, _192168) , found (2,
  _192108) , found (3, _192096) , found (4, _192144) , found (4,
  _192084) , found (5, _192120) , found (3, _192156) , found (5,
  _192132) , [] ]
[ link (_192096, _192084) , link (_192120, _192108) , link (_192144
  , _192132) , link (_192168, _192156) , point (5,4) , point (4,3) ,
  root (3) , root (2) , root (1) , found (4, _192120) , found (3,
  _192168) , found (4, _192132) , found (3, _192084) , found (3,
  _192144) , found (2, _192108) , found (3, _192096) , found (3,
  _192156) , [] ]
[ link (_192120, _192108) , link (_192144, _192132) , point (5,4) ,
  point (4,3) , root (3) , root (2) , root (1) , found (3, _192120) ,
  found (3, _192132) , found (3, _192144) , found (2, _192108) , [] ]
[ link (_192120, _192108) , point (2,3) , point (5,4) , point (4,3) ,
  root (3) , root (1) , found (3, _192120) , found (2, _192108) , [] ]
[ link (_192120, _192108) , point (2,3) , point (5,4) , point (4,3) ,
  root (3) , root (1) , found (3, _192108) , found (3, _192120) , [] ]
[ point (2,3) , point (5,4) , point (4,3) , root (3) , root (1) , [] ]

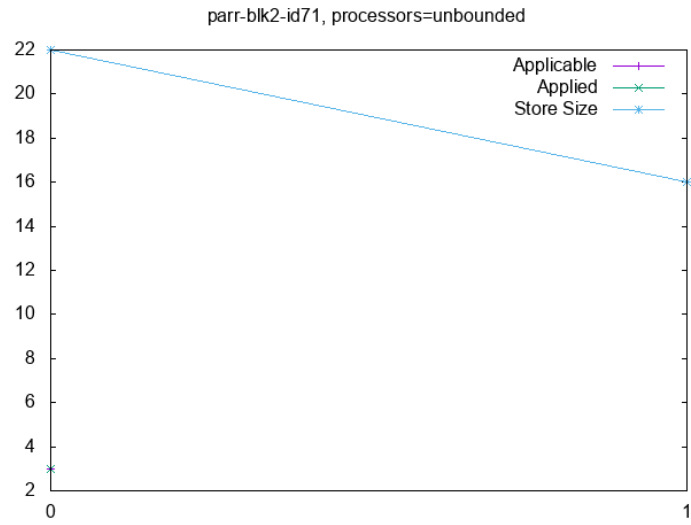
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
  (2,102),grab(1,101),empty(5),empty(4),empty(3),empty
  (2),empty(1),clear(105),clear(104),clear(103),clear
  (102),clear(101),on(105,5),on(104,4),on(103,3),on
  (102,2),on(101,1),put(4,5),put(4,4),put(5,4),put(3,5),
  put(2,3),[]]
... (line too long)
[clear(1),clear(4),clear(3),clear(2),clear(5),put(4,5),
  put(4,4),put(5,4),put(3,5),put(2,3),hold(1,101),hold
  (4,104),hold(3,103),hold(2,102),hold(5,105),[]]
[empty(5),empty(2),empty(3),clear(105),clear(102),clear
  (103),clear(1),clear(2),on(105,4),on(102,3),on(103,5),
  put(4,5),put(4,4),hold(1,101),hold(4,104),[]]

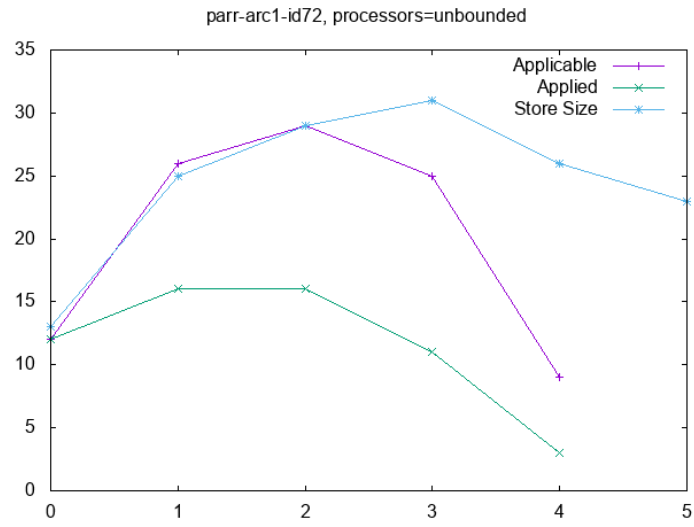
```



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(1,1),put(3,1),put(5,3),put(4,5),put(2,4),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(6),clear(4),
  clear(2),put(1,1),put(3,1),put(5,3),put(4,5),put(2,4),
  hold(5,5),hold(3,3),hold(1,1),[]]

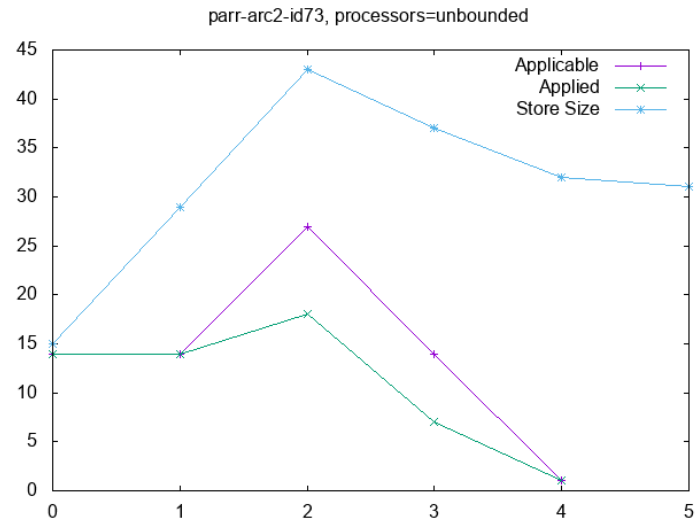
```



```

Store = Query = [ arc(2,3,4), arc(2,3,3), arc(2,3,4), arc
    (1,3,5), arc(1,3,7), arc(1,3,5), arc(1,5,21), arc(1,5,21),
    arc(4,5,5), arc(3,4,4), arc(2,3,3), arc(1,2,2), [] ]
[ arc(2,3,4), arc(2,3,3), arc(2,3,4), arc(1,3,5), arc(1,3,7),
    arc(1,3,5), arc(1,5,21), arc(1,5,21), arc(4,5,5), arc
    (3,4,4), arc(2,3,3), arc(1,2,2), [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)

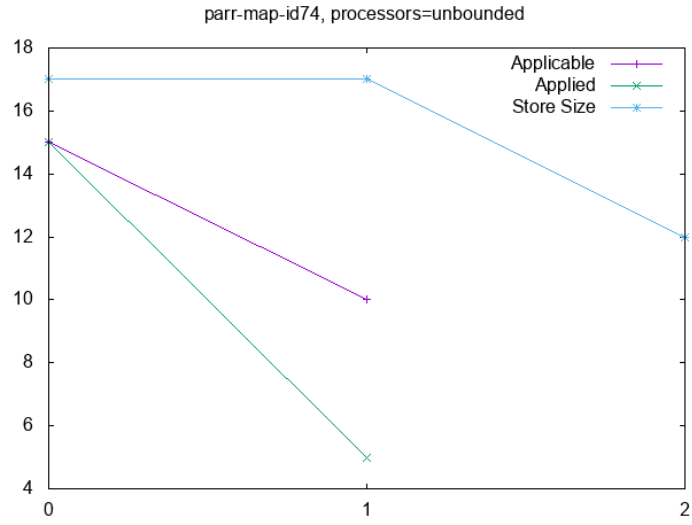
```



```

Store = Query = [ arc ( 3 , 4 , 4 ) , arc ( 1 , 3 , 5 ) , arc ( 1 , 5 , 21 ) , arc
    ( 2 , 5 , 11 ) , arc ( 5 , 9 , 25 ) , arc ( 4 , 9 , 34 ) , arc ( 3 , 9 , 45 ) , arc
    ( 2 , 9 , 58 ) , arc ( 1 , 9 , 73 ) , arc ( 0 , 5 , 25 ) , arc ( 0 , 4 , 16 ) , arc
    ( 0 , 3 , 9 ) , arc ( 0 , 2 , 4 ) , arc ( 0 , 1 , 1 ) , [] ]
[ arc ( 3 , 4 , 4 ) , arc ( 1 , 3 , 5 ) , arc ( 1 , 5 , 21 ) , arc ( 2 , 5 , 11 ) , arc
    ( 5 , 9 , 25 ) , arc ( 4 , 9 , 34 ) , arc ( 3 , 9 , 45 ) , arc ( 2 , 9 , 58 ) , arc
    ( 1 , 9 , 73 ) , arc ( 0 , 5 , 25 ) , arc ( 0 , 4 , 16 ) , arc ( 0 , 3 , 9 ) , arc ( 0 , 2 , 4 )
    , arc ( 0 , 1 , 1 ) , [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)

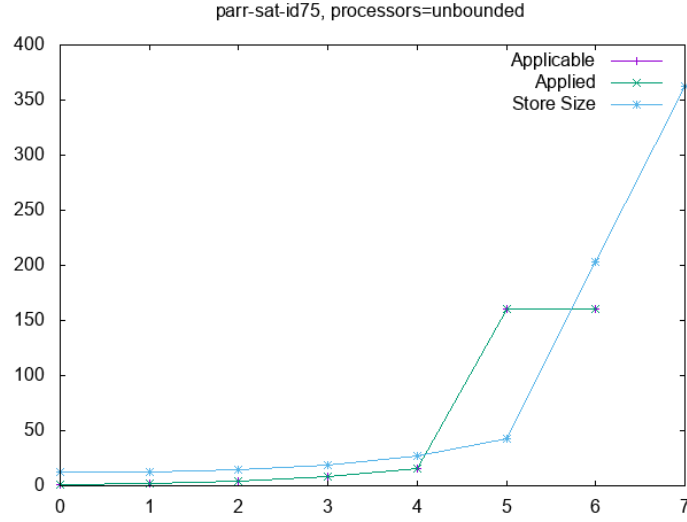
```



```

Store = Query = [mapreduce(cw,cw),data(4),data(3),data(9)
, data(4),data(3),data(7),data(5),data(2),data(10),data
(1),data(5),data(2),data(8),data(1),data(6),[]]
[mapreduce(cw,cw),data(4),data(3),data(9),data(4),data(3)
,data(7),data(5),data(2),data(10),data(1),data(5),data
(2),data(8),data(1),data(6),[]]
[mapreduce(cw,cw),work(cw,8,1),work(cw,6,1),work(cw,1,1),
work(cw,4,1),work(cw,1,1),work(cw,10,1),work(cw,2,1),
work(cw,4,1),work(cw,9,1),work(cw,5,1),work(cw,3,1),
work(cw,5,1),work(cw,2,1),work(cw,7,1),work(cw,3,1)
,[]]
[mapreduce(cw,cw),work(cw,5,2),work(cw,2,2),work(cw,4,2),
work(cw,1,2),work(cw,3,2),work(cw,8,1),work(cw,6,1),
work(cw,10,1),work(cw,9,1),work(cw,7,1),[]]

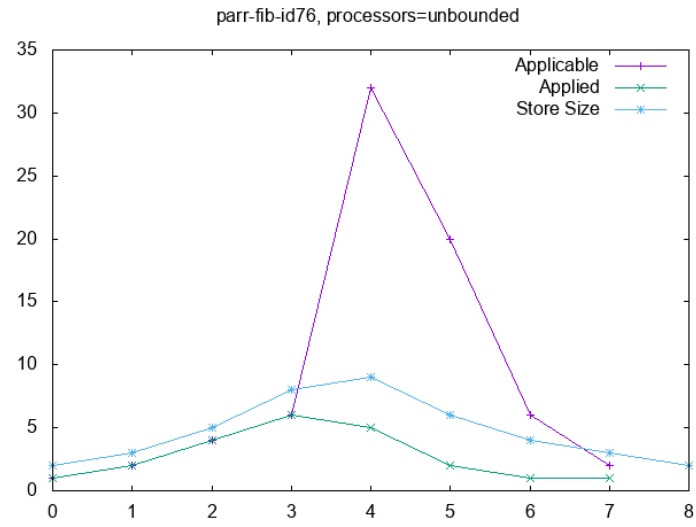
```



```

Store = Query = [ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 52 , and ( 5 , 2 ) ) , eq ( 35 ,
    or ( 3 , 5 ) ) , eq ( 43 , and ( 4 , 3 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 35 , or ( 3 , 5 )
    ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v
    ( 1 ) ) , [ ] ]
[ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 52 , and ( 5 , 2 ) ) , eq ( 35 , or ( 3 , 5 ) ) , eq ( 43 ,
    and ( 4 , 3 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 35 , or ( 3 , 5 ) ) , eq ( 5 , v ( 5 ) ) , eq
    ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 2 , 3 , 4 , 5 ] , [ false ( 1 ) ] ) , f ([ 2 , 3 , 4 , 5 ] , [ true ( 1 ) ] ) , eq ( 52 , and
    ( 5 , 2 ) ) , eq ( 35 , or ( 3 , 5 ) ) , eq ( 43 , and ( 4 , 3 ) ) , eq ( 54 , and ( 5 , 4 ) ) ,
    eq ( 35 , or ( 3 , 5 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v
    ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 3 , 4 , 5 ] , [ false ( 2 ) , true ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) , true ( 1 )
    ] ) , f ([ 3 , 4 , 5 ] , [ false ( 2 ) , false ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) ,
    false ( 1 ) ] ) , eq ( 52 , and ( 5 , 2 ) ) , eq ( 35 , or ( 3 , 5 ) ) , eq ( 43 , and
    ( 4 , 3 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 35 , or ( 3 , 5 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 ,
    v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) ,
    false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , false ( 1 )
    ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false
    ( 3 ) , false ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , false ( 2 ) ,
    false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , f
    ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , eq ( 52 , and ( 5 , 2 ) ) , eq
    ( 35 , or ( 3 , 5 ) ) , eq ( 43 , and ( 4 , 3 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 35 , or
    ( 3 , 5 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq
    ( 1 , v ( 1 ) ) , [ ] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)

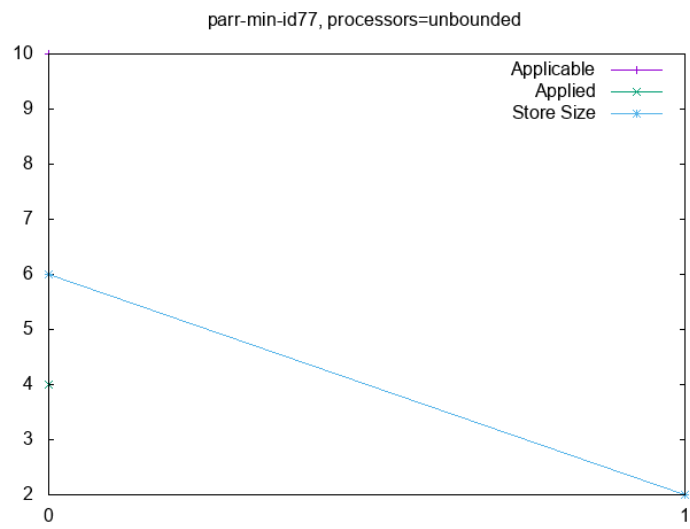
```

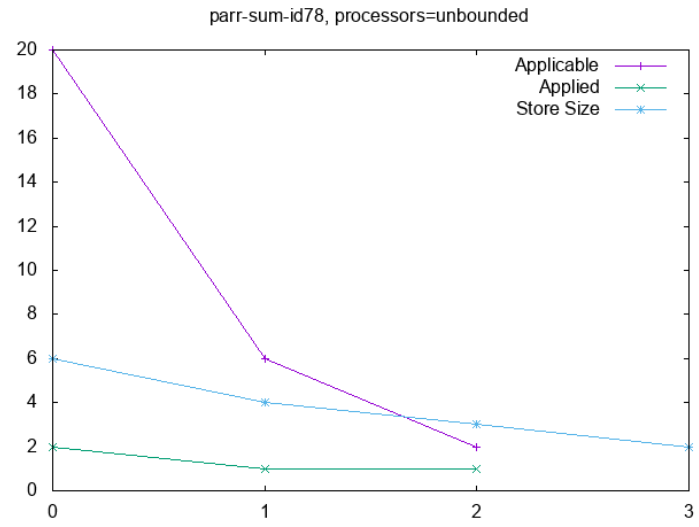
```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (1) , fib (2) , fib (2) , fib (3) , [] ]
[ sum (1) , fib (0) , fib (1) , fib (0) , fib (1) , fib (1) , fib (2) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (0) , fib (1)
  , [] ]
[ sum (1) , sum (2) , sum (2) , sum (2) , sum (1) , [] ]
[ sum (3) , sum (3) , sum (2) , [] ]
[ sum (5) , sum (3) , [] ]
[ sum (8) , [] ]

```



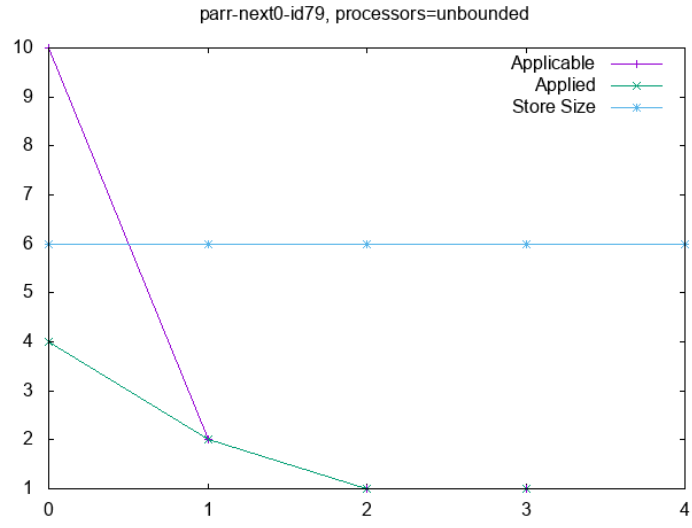
Store = Query = [min(2), min(5), min(4), min(1), min(3), []]
 [min(2), min(5), min(4), min(1), min(3), []]
 [min(1), []]



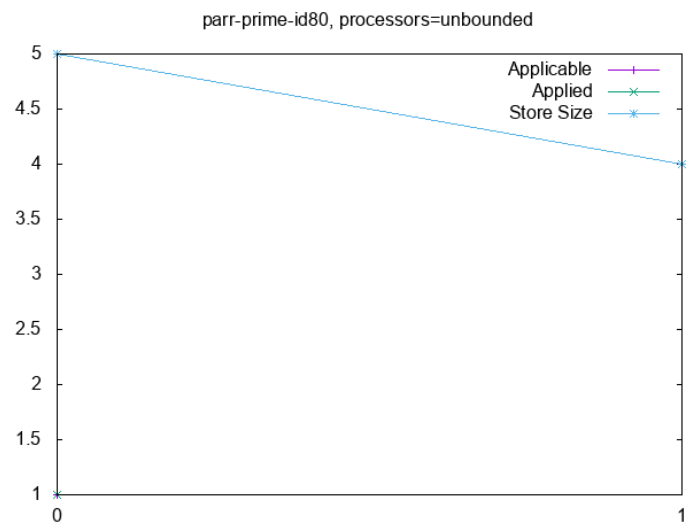
```

Store = Query = [sum(5),sum(1),sum(2),sum(4),sum(3),[]]
[sum(5),sum(1),sum(2),sum(4),sum(3),[]]
[sum(5),sum(7),sum(3),[]]
[sum(12),sum(3),[]]
[sum(15),[]]

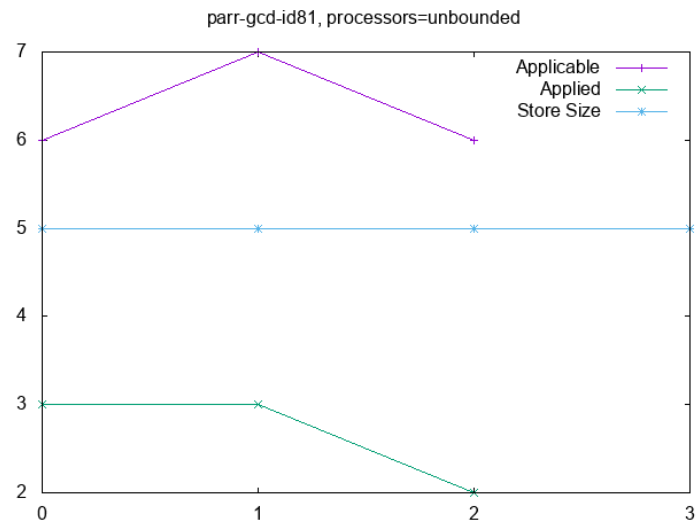
```



Store = Query = [next (0 , 5) , next (0 , 1) , next (0 , 4) , next (0 , 3) ,
 next (0 , 2) , []]
 [next (0 , 5) , next (0 , 1) , next (0 , 4) , next (0 , 3) , next (0 , 2) , []]
 [next (2 , 3) , next (2 , 5) , next (1 , 4) , next (1 , 2) , next (0 , 1) , []]
 [next (3 , 5) , next (2 , 4) , next (2 , 3) , next (1 , 2) , next (0 , 1) , []]
 [next (3 , 4) , next (3 , 5) , next (2 , 3) , next (1 , 2) , next (0 , 1) , []]
 [next (4 , 5) , next (3 , 4) , next (2 , 3) , next (1 , 2) , next (0 , 1) , []]



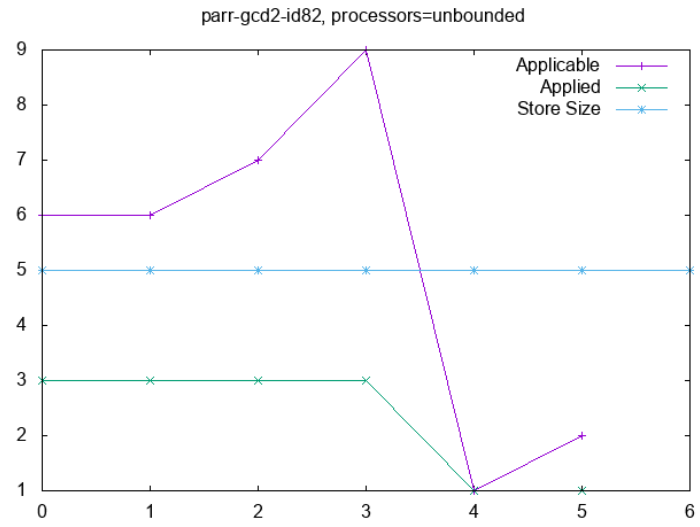
```
Store = Query = [prime(5),prime(2),prime(3),prime(4),[]]
[prime(5),prime(2),prime(3),prime(4),[]]
[prime(5),prime(2),prime(3),[]]
```



```

Store = Query = [gcd(2),gcd(4),gcd(3),gcd(5),[]]
[gcd(2),gcd(4),gcd(3),gcd(5),[]]
[gcd(3),gcd(2),gcd(1),gcd(2),[]]
[gcd(0),gcd(1),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

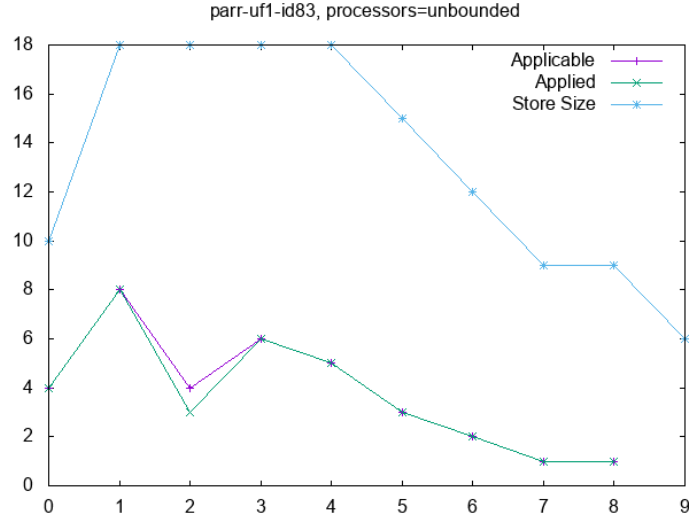
```



```

Store = Query = [gcd(7),gcd(11),gcd(5),gcd(16),[]]
[gcd(7),gcd(11),gcd(5),gcd(16),[]]
[gcd(9),gcd(4),gcd(2),gcd(5),[]]
[gcd(5),gcd(1),gcd(2),gcd(2),[]]
[gcd(1),gcd(3),gcd(1),gcd(1),[]]
[gcd(0),gcd(2),gcd(0),gcd(1),[]]
[gcd(1),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

```



```

Store = Query = [ union (4,3) , union (2,4) , union (1,2) , union
                  (5,1) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (4,3) , union (2,4) , union (1,2) , union (5,1) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (2, _243376) , find (1, _243388) , find (3, _243400) , find (4,
  _243412) , find (4, _243424) , find (2, _243436) , find (1,
  _243448) , find (5, _243460) , link (_243388, _243376) , link (
  _243412, _243400) , link (_243436, _243424) , link (_243460,
  _243448) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ link (_243388, _243376) , link (_243412, _243400) , link (_243436
  , _243424) , link (_243460, _243448) , root (5) , root (4) , root
  (3) , root (2) , root (1) , found (5, _243460) , found (2, _243436) ,
  found (1, _243448) , found (1, _243388) , found (4, _243412) ,
  found (4, _243424) , found (2, _243376) , found (3, _243400) , [] ]
[ link (_243388, _243376) , link (_243412, _243400) , link (_243436
  , _243424) , link (_243460, _243448) , point (4,2) , point (2,1) ,
  point (1,5) , root (5) , root (3) , found (5, _243460) , found (2,
  _243436) , found (1, _243448) , found (1, _243388) , found (4,
  _243412) , found (4, _243424) , found (2, _243376) , found (3,
  _243400) , [] ]
[ link (_243388, _243376) , link (_243412, _243400) , link (_243436
  , _243424) , link (_243460, _243448) , point (4,2) , point (2,1) ,
  point (1,5) , root (5) , root (3) , found (2, _243412) , found (5,
  _243448) , found (1, _243376) , found (5, _243388) , found (1,
  _243436) , found (2, _243424) , found (5, _243460) , found (3,
  _243400) , [] ]
[ link (_243388, _243376) , link (_243412, _243400) , link (_243436
  , _243424) , point (4,2) , point (2,1) , point (1,5) , root (5) ,
  root (3) , found (5, _243376) , found (1, _243424) , found (5,
  _243436) , found (1, _243412) , found (5, _243388) , found (3,
  _243400) , [] ]

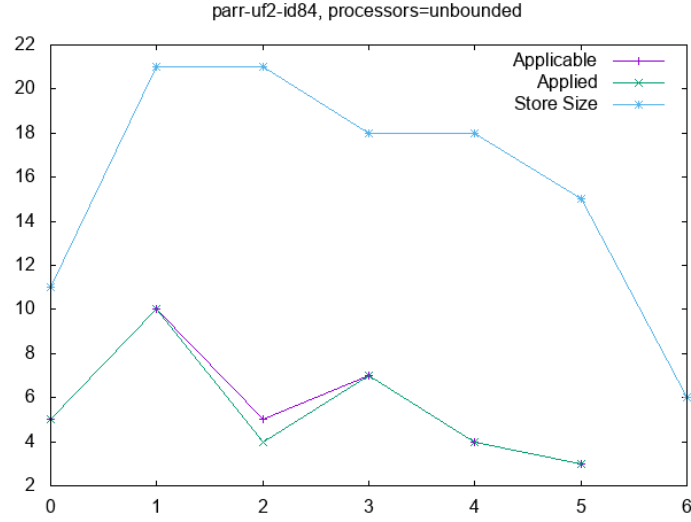
```



```

[ link ( _243412 , _243400 ) , link ( _243436 , _243424 ) , point ( 4 , 2 ) ,
  point ( 2 , 1 ) , point ( 1 , 5 ) , root ( 5 ) , root ( 3 ) , found ( 5 , _243412 )
  , found ( 5 , _243424 ) , found ( 5 , _243436 ) , found ( 3 , _243400 )
  , [] ]
[ link ( _243412 , _243400 ) , point ( 3 , 5 ) , point ( 4 , 2 ) , point ( 2 , 1 ) ,
  point ( 1 , 5 ) , root ( 5 ) , found ( 5 , _243412 ) , found ( 3 , _243400 )
  , [] ]
[ link ( _243412 , _243400 ) , point ( 3 , 5 ) , point ( 4 , 2 ) , point ( 2 , 1 ) ,
  point ( 1 , 5 ) , root ( 5 ) , found ( 5 , _243400 ) , found ( 5 , _243412 )
  , [] ]
[ point ( 3 , 5 ) , point ( 4 , 2 ) , point ( 2 , 1 ) , point ( 1 , 5 ) , root ( 5 ) , [] ]

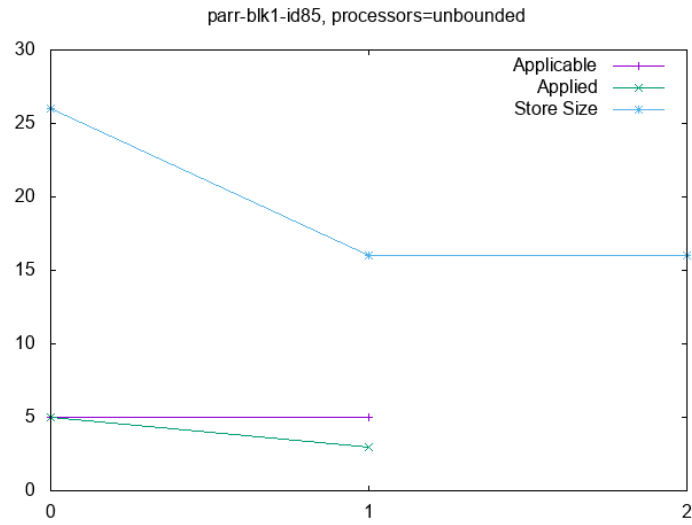
```



```

Store = Query = [ union (5,5) , union (1,5) , union (3,1) , union
                  (1,3) , union (4,1) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (5,5) , union (1,5) , union (3,1) , union (1,3) , union (4,1) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
... (line too long)
... (line too long)
[ link (_245238, _245226) , link (_245262, _245250) , link (_245286
  , _245274) , link (_245334, _245322) , point (5,1) , point (3,1) ,
  point (1,4) , root (4) , root (2) , found (5, _245322) , found (3,
  _245238) , found (4, _245286) , found (1, _245274) , found (1,
  _245334) , found (1, _245262) , found (3, _245250) , found (1,
  _245226) , [] ]
[ link (_245238, _245226) , link (_245262, _245250) , link (_245286
  , _245274) , link (_245334, _245322) , point (5,1) , point (3,1) ,
  point (1,4) , root (4) , root (2) , found (4, _245274) , found (4,
  _245334) , found (1, _245238) , found (4, _245262) , found (1,
  _245322) , found (4, _245226) , found (1, _245250) , found (4,
  _245286) , [] ]
[ link (_245238, _245226) , link (_245262, _245250) , link (_245334
  , _245322) , point (5,1) , point (3,1) , point (1,4) , root (4) ,
  root (2) , found (4, _245322) , found (4, _245250) , found (4,
  _245238) , found (4, _245334) , found (4, _245262) , found (4,
  _245226) , [] ]
[ point (5,1) , point (3,1) , point (1,4) , root (4) , root (2) , [] ]

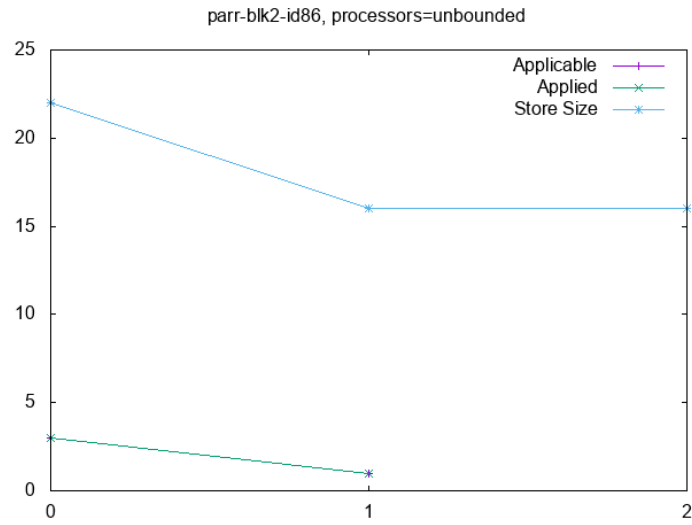
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
  (2,102),grab(1,101),empty(5),empty(4),empty(3),empty
  (2),empty(1),clear(105),clear(104),clear(103),clear
  (102),clear(101),on(105,5),on(104,4),on(103,3),on
  (102,2),on(101,1),put(1,3),put(5,1),put(5,5),put(4,5),
  put(3,4),[]]
... (line too long)
[clear(3),clear(1),clear(2),clear(4),clear(5),put(1,3),
  put(5,1),put(5,5),put(4,5),put(3,4),hold(3,103),hold
  (1,101),hold(2,102),hold(4,104),hold(5,105),[]]
[empty(5),empty(3),empty(1),clear(105),clear(103),clear
  (101),clear(1),clear(2),on(105,5),on(103,4),on(101,3),
  put(5,1),put(4,5),hold(2,102),hold(4,104),[]]

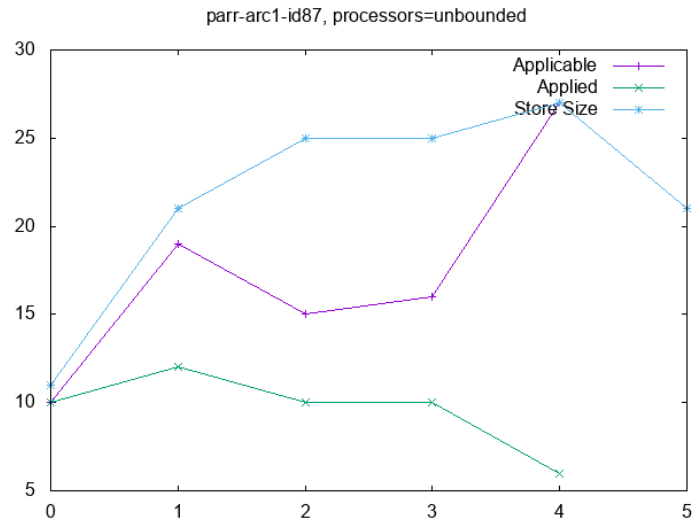
```



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(5,3),put(4,5),put(4,4),put(5,4),put(2,5),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(4),
  clear(6),put(5,3),put(4,5),put(4,4),put(5,4),put(2,5),
  hold(1,1),hold(3,3),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(5),empty(4),empty(2),clear(5),
  clear(2),clear(6),on(5,4),put(5,3),put(4,5),put(4,4),
  put(2,5),hold(1,1),hold(3,3),[]]

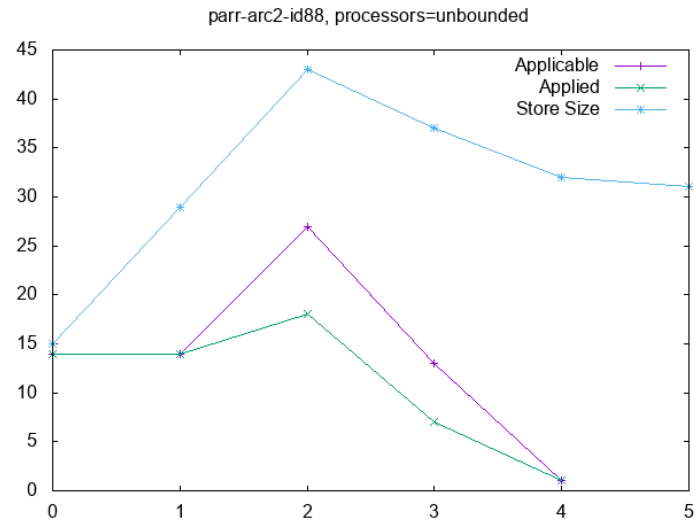
```



```

Store = Query = [ arc(1,2,3), arc(2,5,14), arc(4,5,5), arc
                  (4,5,6), arc(4,5,5), arc(1,5,21), arc(4,5,5), arc(3,4,4),
                  arc(2,3,3), arc(1,2,2), [] ]
[ arc(1,2,3), arc(2,5,14), arc(4,5,5), arc(4,5,6), arc(4,5,5),
  arc(1,5,21), arc(4,5,5), arc(3,4,4), arc(2,3,3), arc
  (1,2,2), [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)

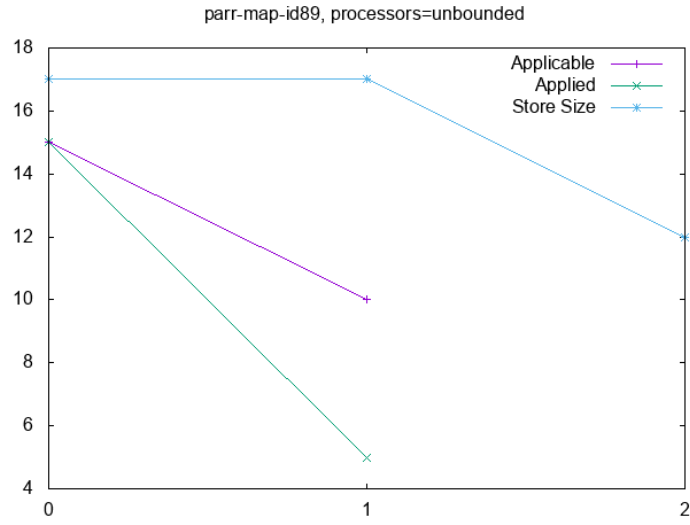
```



```

Store = Query = [ arc(1,4,13), arc(4,5,6), arc(2,5,11), arc
(2,3,4), arc(5,9,25), arc(4,9,34), arc(3,9,45), arc
(2,9,58), arc(1,9,73), arc(0,5,25), arc(0,4,16), arc
(0,3,9), arc(0,2,4), arc(0,1,1), [] ]
[ arc(1,4,13), arc(4,5,6), arc(2,5,11), arc(2,3,4), arc
(5,9,25), arc(4,9,34), arc(3,9,45), arc(2,9,58), arc
(1,9,73), arc(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4)
, arc(0,1,1), [] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)

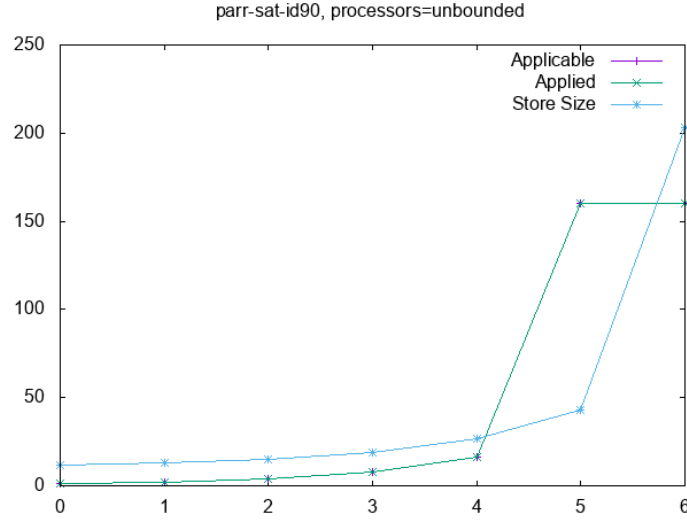
```



```

Store = Query = [mapreduce(cw,cw),data(3),data(8),data(4)
, data(5),data(7),data(9),data(1),data(4),data(5),data
(1),data(3),data(2),data(2),data(10),data(6),[]]
[mapreduce(cw,cw),data(3),data(8),data(4),data(5),data(7)
,data(9),data(1),data(4),data(5),data(1),data(3),data
(2),data(2),data(10),data(6),[]]
[mapreduce(cw,cw),work(cw,5,1),work(cw,8,1),work(cw,7,1),
work(cw,3,1),work(cw,3,1),work(cw,9,1),work(cw,4,1),
work(cw,1,1),work(cw,10,1),work(cw,2,1),work(cw,2,1),
work(cw,5,1),work(cw,4,1),work(cw,1,1),work(cw,6,1)
,[]]
[mapreduce(cw,cw),work(cw,2,2),work(cw,3,2),work(cw,1,2),
work(cw,5,2),work(cw,4,2),work(cw,8,1),work(cw,7,1),
work(cw,9,1),work(cw,10,1),work(cw,6,1),[]]

```



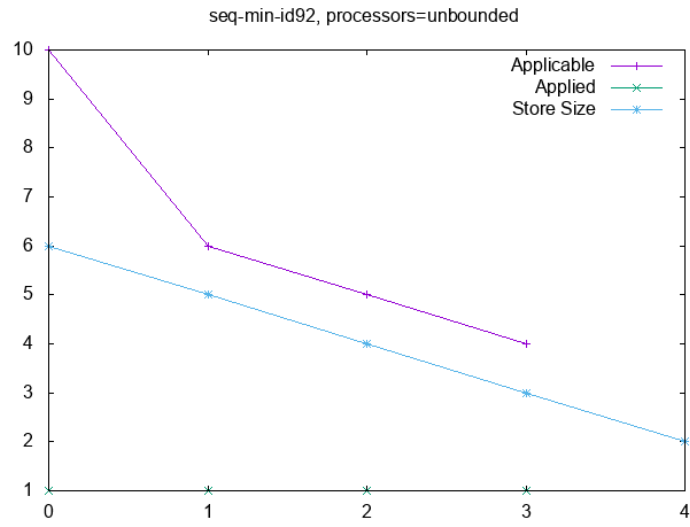
```

Store = Query = [ f ([1,2,3,4,5],[]) ,eq(11,neg(1)) ,eq(41,
    and(4,1)) ,eq(54,and(5,4)) ,eq(55,neg(5)) ,eq(25,or(2,5))
    ,eq(5,v(5)) ,eq(4,v(4)) ,eq(3,v(3)) ,eq(2,v(2)) ,eq(1,v(1))
    ) ,[]]
[ f ([1,2,3,4,5],[]) ,eq(11,neg(1)) ,eq(41,and(4,1)) ,eq(54,
    and(5,4)) ,eq(55,neg(5)) ,eq(25,or(2,5)) ,eq(5,v(5)) ,eq
    (4,v(4)) ,eq(3,v(3)) ,eq(2,v(2)) ,eq(1,v(1)) ,[]]
[ f ([2,3,4,5],[false(1)]) ,f ([2,3,4,5],[true(1)]) ,eq(11,neg
    (1)) ,eq(41,and(4,1)) ,eq(54,and(5,4)) ,eq(55,neg(5)) ,eq
    (25,or(2,5)) ,eq(5,v(5)) ,eq(4,v(4)) ,eq(3,v(3)) ,eq(2,v
    (2)) ,eq(1,v(1)) ,[]]
[ f ([3,4,5],[false(2),false(1)]) ,f ([3,4,5],[true(2),false
    (1)]) ,f ([3,4,5],[false(2),true(1)]) ,f ([3,4,5],[true(2)
    ,true(1)]) ,eq(11,neg(1)) ,eq(41,and(4,1)) ,eq(54,and
    (5,4)) ,eq(55,neg(5)) ,eq(25,or(2,5)) ,eq(5,v(5)) ,eq(4,v
    (4)) ,eq(3,v(3)) ,eq(2,v(2)) ,eq(1,v(1)) ,[]]
[ f ([4,5],[false(3),false(2),false(1)]) ,f ([4,5],[true(3),
    false(2),false(1)]) ,f ([4,5],[false(3),true(2),true(1)
    ]) ,f ([4,5],[true(3),true(2),true(1)]) ,f ([4,5],[false
    (3),true(2),false(1)]) ,f ([4,5],[true(3),true(2),false
    (1)]) ,f ([4,5],[false(3),false(2),true(1)]) ,f ([4,5],[
    true(3),false(2),true(1)]) ,eq(11,neg(1)) ,eq(41,and
    (4,1)) ,eq(54,and(5,4)) ,eq(55,neg(5)) ,eq(25,or(2,5)) ,eq
    (5,v(5)) ,eq(4,v(4)) ,eq(3,v(3)) ,eq(2,v(2)) ,eq(1,v(1))
    ,[]]
... (line too long)
... (line too long)
... (line too long)

```



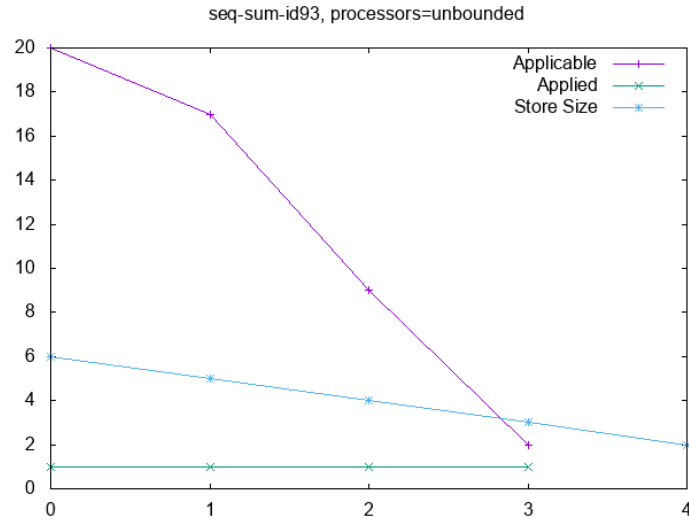
```
[sum(5),sum(3),[]]  
[sum(5),sum(3),[]]  
[sum(5),sum(3),[]]  
[sum(5),sum(3),[]]  
[sum(5),sum(3),[]]  
[sum(5),sum(3),[]]  
[sum(5),sum(3),[]]  
[sum(5),sum(3),[]]  
[sum(5),sum(3),[]]  
[sum(8),[]]  
[sum(8),[]]
```



```

Store = Query = [min(3),min(1),min(2),min(5),min(4),[]]
[ min(3),min(1),min(2),min(5),min(4),[] ]
[ min(1),min(2),min(5),min(4),[] ]
[ min(1),min(2),min(5),min(4),[] ]
[ min(1),min(2),min(5),min(4),[] ]
[ min(1),min(2),min(5),min(4),[] ]
[ min(1),min(2),min(5),[] ]
[ min(1),min(2),[] ]
[ min(1),[] ]
[ min(1),[] ]
[ min(1),[] ]
[ min(1),[] ]

```

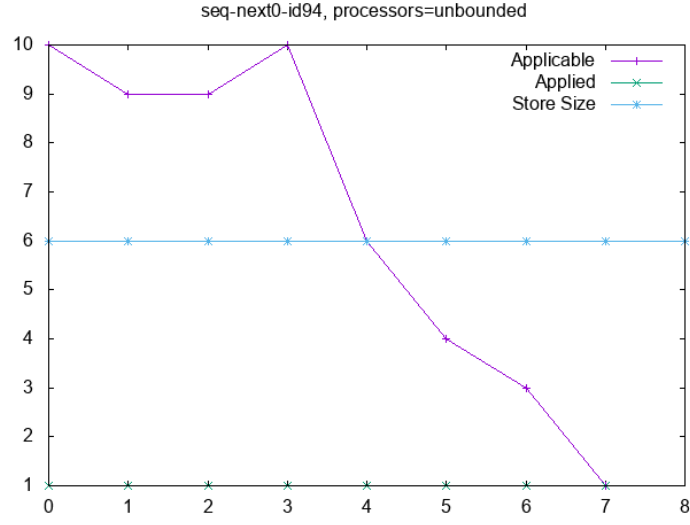


```

Store = Query = [sum(5),sum(3),sum(4),sum(2),sum(1),[]]
[sum(5),sum(3),sum(4),sum(2),sum(1),[]]
[sum(6),sum(3),sum(4),sum(2),[]]
[sum(6),sum(3),sum(4),sum(2),[]]
[sum(6),sum(3),sum(4),sum(2),[]]
[sum(6),sum(3),sum(4),sum(2),[]]
[sum(6),sum(3),sum(4),sum(2),[]]
[sum(6),sum(3),sum(4),sum(2),[]]
[sum(6),sum(3),sum(4),sum(2),[]]
[sum(6),sum(3),sum(4),sum(2),[]]
[sum(6),sum(3),sum(4),sum(2),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(5),sum(6),sum(4),[]]
[sum(10),sum(5),[]]
[sum(10),sum(5),[]]
[sum(10),sum(5),[]]
[sum(10),sum(5),[]]
[sum(10),sum(5),[]]
[sum(10),sum(5),[]]
[sum(10),sum(5),[]]
[sum(10),sum(5),[]]

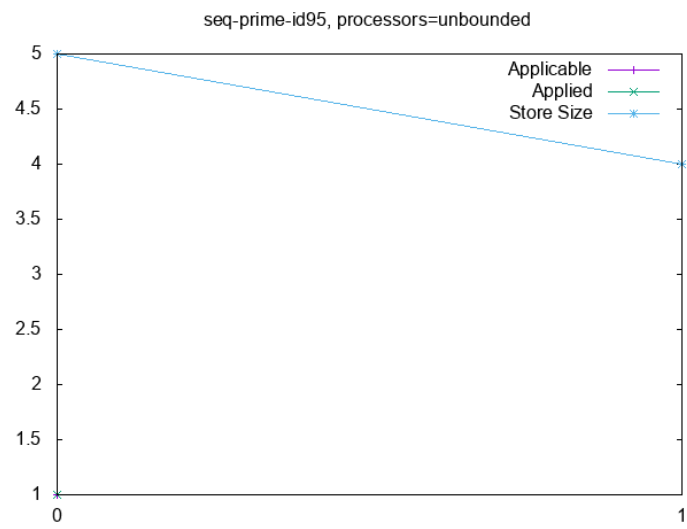
```

```
[sum(10),sum(5),[]]  
[sum(15),[]]  
[sum(15),[]]
```

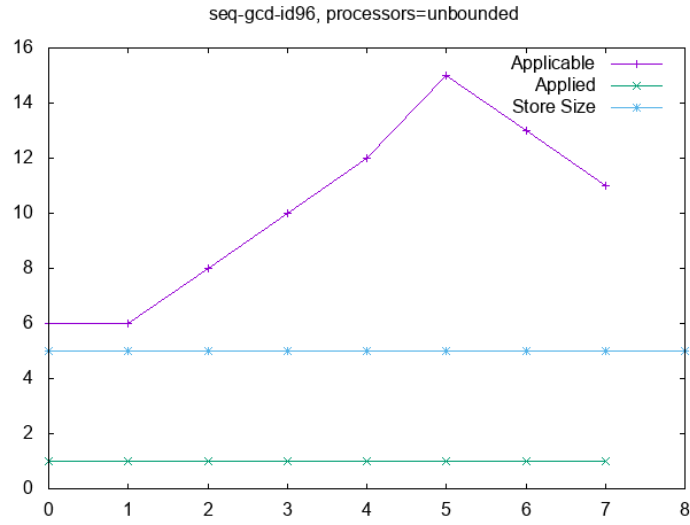


Store = Query = [next (0 , 1) , next (0 , 2) , next (0 , 5) , next (0 , 3) ,
next (0 , 4) , []]

[next (0 , 1) , next (0 , 2) , next (0 , 5) , next (0 , 3) , next (0 , 4) , []]
[next (1 , 4) , next (0 , 1) , next (0 , 2) , next (0 , 5) , next (0 , 3) , []]
[next (1 , 3) , next (1 , 4) , next (0 , 1) , next (0 , 2) , next (0 , 5) , []]
[next (1 , 5) , next (1 , 3) , next (1 , 4) , next (0 , 1) , next (0 , 2) , []]
[next (1 , 2) , next (1 , 5) , next (1 , 3) , next (1 , 4) , next (0 , 1) , []]
[next (1 , 2) , next (1 , 5) , next (1 , 3) , next (1 , 4) , next (0 , 1) , []]
[next (1 , 2) , next (1 , 5) , next (1 , 3) , next (1 , 4) , next (0 , 1) , []]
[next (1 , 2) , next (1 , 5) , next (1 , 3) , next (1 , 4) , next (0 , 1) , []]
[next (1 , 2) , next (1 , 5) , next (1 , 3) , next (1 , 4) , next (0 , 1) , []]
[next (1 , 2) , next (1 , 5) , next (1 , 3) , next (1 , 4) , next (0 , 1) , []]
[next (1 , 2) , next (1 , 5) , next (1 , 3) , next (1 , 4) , next (0 , 1) , []]
[next (1 , 2) , next (1 , 5) , next (1 , 3) , next (1 , 4) , next (0 , 1) , []]
[next (3 , 4) , next (1 , 2) , next (1 , 5) , next (1 , 3) , next (0 , 1) , []]
[next (3 , 4) , next (1 , 2) , next (1 , 5) , next (1 , 3) , next (0 , 1) , []]
[next (3 , 5) , next (3 , 4) , next (1 , 2) , next (1 , 3) , next (0 , 1) , []]
[next (3 , 5) , next (3 , 4) , next (1 , 2) , next (1 , 3) , next (0 , 1) , []]
[next (2 , 3) , next (3 , 5) , next (3 , 4) , next (1 , 2) , next (0 , 1) , []]
[next (2 , 3) , next (3 , 5) , next (3 , 4) , next (1 , 2) , next (0 , 1) , []]
[next (4 , 5) , next (2 , 3) , next (3 , 4) , next (1 , 2) , next (0 , 1) , []]



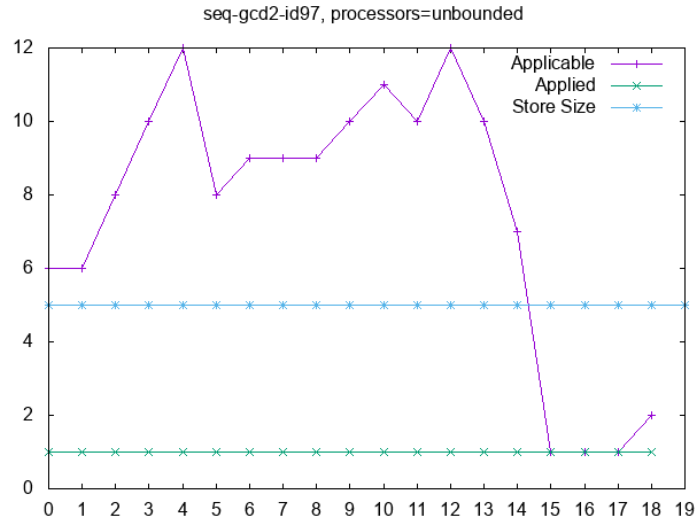
```
Store = Query = [prime(4),prime(2),prime(3),prime(5),[]]
[prime(4),prime(2),prime(3),prime(5),[]]
[prime(2),prime(3),prime(5),[]]
```

```

Store = Query = [gcd(4),gcd(5),gcd(2),gcd(3),[]]
[gcd(4),gcd(5),gcd(2),gcd(3),[]]
[gcd(1),gcd(5),gcd(2),gcd(3),[]]
[gcd(1),gcd(5),gcd(2),gcd(3),[]]
[gcd(1),gcd(5),gcd(2),gcd(3),[]]
[gcd(2),gcd(1),gcd(2),gcd(3),[]]
[gcd(2),gcd(1),gcd(2),gcd(3),[]]
[gcd(1),gcd(2),gcd(1),gcd(2),[]]
[gcd(1),gcd(2),gcd(1),gcd(2),[]]
[gcd(1),gcd(1),gcd(1),gcd(2),[]]
[gcd(1),gcd(1),gcd(1),gcd(2),[]]
[gcd(1),gcd(1),gcd(1),gcd(2),[]]
[gcd(1),gcd(1),gcd(1),gcd(2),[]]
[gcd(1),gcd(1),gcd(1),gcd(1),[]]
[gcd(1),gcd(1),gcd(1),gcd(1),[]]
[gcd(0),gcd(1),gcd(1),gcd(1),[]]
[gcd(0),gcd(1),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

```



```

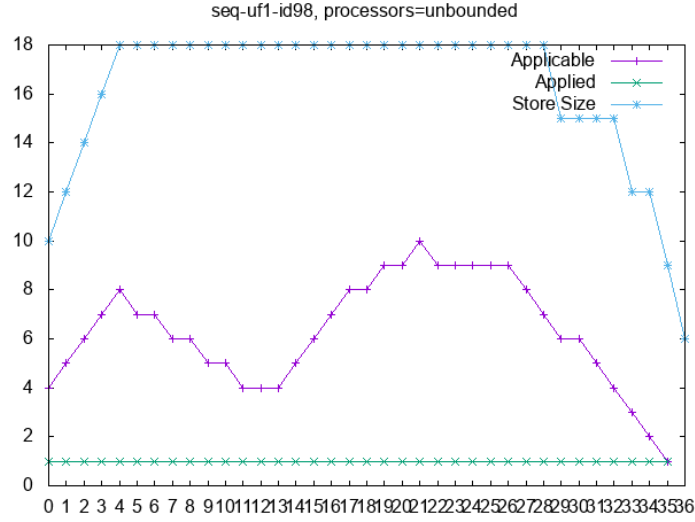
Store = Query = [gcd(7),gcd(16),gcd(11),gcd(5),[]]
[gcd(7),gcd(16),gcd(11),gcd(5),[]]
[gcd(2),gcd(16),gcd(11),gcd(5),[]]
[gcd(2),gcd(16),gcd(11),gcd(5),[]]
[gcd(2),gcd(16),gcd(11),gcd(5),[]]
[gcd(11),gcd(2),gcd(11),gcd(5),[]]
[gcd(11),gcd(2),gcd(11),gcd(5),[]]
[gcd(6),gcd(2),gcd(11),gcd(5),[]]
[gcd(3),gcd(6),gcd(2),gcd(11),[]]
[gcd(9),gcd(3),gcd(6),gcd(2),[]]
[gcd(9),gcd(3),gcd(6),gcd(2),[]]
[gcd(9),gcd(3),gcd(6),gcd(2),[]]
[gcd(9),gcd(3),gcd(6),gcd(2),[]]
[gcd(9),gcd(3),gcd(6),gcd(2),[]]
[gcd(9),gcd(3),gcd(6),gcd(2),[]]
[gcd(9),gcd(3),gcd(6),gcd(2),[]]
[gcd(4),gcd(9),gcd(3),gcd(2),[]]
[gcd(4),gcd(9),gcd(3),gcd(2),[]]
[gcd(1),gcd(4),gcd(9),gcd(2),[]]
[gcd(1),gcd(4),gcd(9),gcd(2),[]]
[gcd(1),gcd(4),gcd(9),gcd(2),[]]
[gcd(7),gcd(1),gcd(4),gcd(2),[]]
[gcd(7),gcd(1),gcd(4),gcd(2),[]]
[gcd(7),gcd(1),gcd(4),gcd(2),[]]
[gcd(2),gcd(7),gcd(1),gcd(2),[]]
[gcd(2),gcd(7),gcd(1),gcd(2),[]]
[gcd(2),gcd(7),gcd(1),gcd(2),[]]
[gcd(1),gcd(7),gcd(1),gcd(2),[]]
[gcd(1),gcd(7),gcd(1),gcd(2),[]]
[gcd(1),gcd(7),gcd(1),gcd(2),[]]
[gcd(5),gcd(1),gcd(1),gcd(2),[]]

```

```

[ gcd (5) , gcd (1) , gcd (1) , gcd (2) , [] ]
[ gcd (5) , gcd (1) , gcd (1) , gcd (2) , [] ]
[ gcd (5) , gcd (1) , gcd (1) , gcd (2) , [] ]
[ gcd (1) , gcd (5) , gcd (1) , gcd (1) , [] ]
[ gcd (1) , gcd (5) , gcd (1) , gcd (1) , [] ]
[ gcd (1) , gcd (5) , gcd (1) , gcd (1) , [] ]
[ gcd (0) , gcd (5) , gcd (1) , gcd (1) , [] ]
[ gcd (0) , gcd (5) , gcd (1) , gcd (1) , [] ]
[ gcd (0) , gcd (0) , gcd (5) , gcd (1) , [] ]
[ gcd (0) , gcd (0) , gcd (5) , gcd (1) , [] ]
[ gcd (0) , gcd (0) , gcd (5) , gcd (1) , [] ]
[ gcd (4) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (4) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (4) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (4) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (4) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (4) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (4) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (3) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (2) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (1) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (0) , gcd (0) , gcd (0) , gcd (1) , [] ]
[ gcd (0) , gcd (0) , gcd (0) , gcd (1) , [] ]

```



```

Store = Query = [ union (1,4) , union (3,1) , union (5,3) , union
                  (2,5) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (1,4) , union (3,1) , union (5,3) , union (2,5) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ union (3,1) , union (5,3) , union (2,5) , find (4, _290106) , find (1,
  _290118) , link (_290118, _290106) , root (5) , root (4) , root (3)
  , root (2) , root (1) , [] ]
[ union (5,3) , union (2,5) , find (1, _290258) , find (3, _290270) ,
  find (4, _290106) , find (1, _290118) , link (_290270, _290258) ,
  link (_290118, _290106) , root (5) , root (4) , root (3) , root (2) ,
  root (1) , [] ]
[ union (2,5) , find (3, _290434) , find (5, _290446) , find (1,
  _290258) , find (3, _290270) , find (4, _290106) , find (1,
  _290118) , link (_290446, _290434) , link (_290270, _290258) ,
  link (_290118, _290106) , root (5) , root (4) , root (3) , root (2) ,
  root (1) , [] ]
[ find (5, _290634) , find (2, _290646) , find (3, _290434) , find (5,
  _290446) , find (1, _290258) , find (3, _290270) , find (4,
  _290106) , find (1, _290118) , link (_290646, _290634) , link (
  _290446, _290434) , link (_290270, _290258) , link (_290118,
  _290106) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ find (5, _290634) , find (2, _290646) , find (3, _290434) , find (5,
  _290446) , find (1, _290258) , find (3, _290270) , find (1,
  _290118) , link (_290646, _290634) , link (_290446, _290434) ,
  link (_290270, _290258) , link (_290118, _290106) , root (5) ,
  root (4) , root (3) , root (2) , root (1) , found (4, _290106) , [] ]
[ find (5, _290634) , find (2, _290646) , find (3, _290434) , find (5,
  _290446) , find (1, _290258) , find (3, _290270) , link (_290646,
  _290634) , link (_290446, _290434) , link (_290270, _290258) ,
  link (_290118, _290106) , root (5) , root (4) , root (3) , root (2) ,
  root (1) , found (1, _290118) , found (4, _290106) , [] ]

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[ link(_290646,_290634), link(_290446,_290434), link(_290270
, _290258), link(_290118,_290106), point(5,2), point(3,5),
point(1,3), point(4,1), root(2), found(2,_290646), found
(5,_290634), found(5,_290446), found(3,_290434), found(3,
_290270), found(1,_290258), found(1,_290118), found(4,
_290106), []]
[ link(_290646,_290634), link(_290446,_290434), link(_290270
, _290258), link(_290118,_290106), point(5,2), point(3,5),
point(1,3), point(4,1), root(2), found(1,_290106), found
(2,_290646), found(5,_290634), found(5,_290446), found(3,
_290434), found(3,_290270), found(1,_290258), found(1,
_290118), []]
[ link(_290646,_290634), link(_290446,_290434), link(_290270
, _290258), link(_290118,_290106), point(5,2), point(3,5),
point(1,3), point(4,1), root(2), found(3,_290118), found
(1,_290106), found(2,_290646), found(5,_290634), found(5,
_290446), found(3,_290434), found(3,_290270), found(1,
_290258), []]
[ link(_290646,_290634), link(_290446,_290434), link(_290270
, _290258), link(_290118,_290106), point(5,2), point(3,5),
point(1,3), point(4,1), root(2), found(3,_290258), found
(3,_290118), found(1,_290106), found(2,_290646), found(5,
_290634), found(5,_290446), found(3,_290434), found(3,
_290270), []]
[ link(_290646,_290634), link(_290446,_290434), link(_290270
, _290258), link(_290118,_290106), point(5,2), point(3,5),
point(1,3), point(4,1), root(2), found(5,_290270), found
(3,_290258), found(3,_290118), found(1,_290106), found(2,
_290646), found(5,_290634), found(5,_290446), found(3,
_290434), []]
[ link(_290646,_290634), link(_290446,_290434), link(_290270
, _290258), link(_290118,_290106), point(5,2), point(3,5),
point(1,3), point(4,1), root(2), found(5,_290434), found
(5,_290270), found(3,_290258), found(3,_290118), found(1,
_290106), found(2,_290646), found(5,_290634), found(5,
_290446), []]
[ link(_290646,_290634), link(_290446,_290434), link(_290270
, _290258), link(_290118,_290106), point(5,2), point(3,5),
point(1,3), point(4,1), root(2), found(2,_290446), found
(5,_290434), found(5,_290270), found(3,_290258), found(3,
_290118), found(1,_290106), found(2,_290646), found(5,
_290634), []]
[ link(_290646,_290634), link(_290446,_290434), link(_290270
, _290258), link(_290118,_290106), point(5,2), point(3,5),
point(1,3), point(4,1), root(2), found(2,_290634), found
(2,_290446), found(5,_290434), found(5,_290270), found(3,
_290258), found(3,_290118), found(1,_290106), found(2,
_290646), []]
[ link(_290646,_290634), link(_290446,_290434), link(_290270
, _290258), link(_290118,_290106), point(5,2), point(3,5),

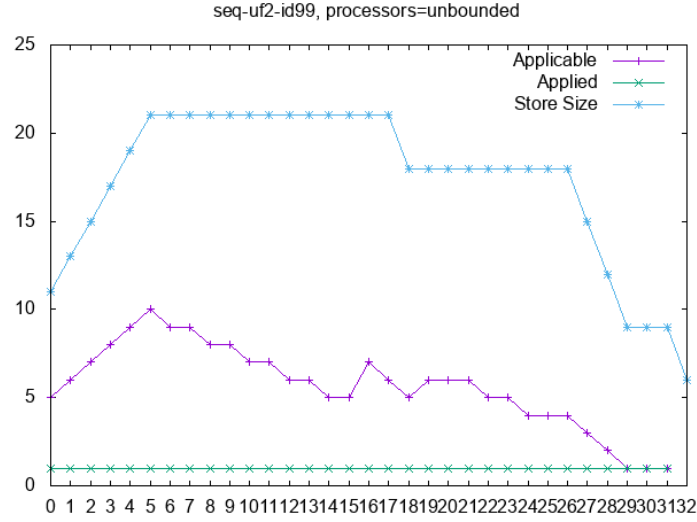
```

```

    point(1,3),point(4,1),root(2),found(3,_290106),found
    (2,_290634),found(2,_290446),found(5,_290434),found(5,
    _290270),found(3,_290258),found(3,_290118),found(2,
    _290646),[]]
[link(_290646,_290634),link(_290446,_290434),link(_290270
,_290258),link(_290118,_290106),point(5,2),point(3,5),
point(1,3),point(4,1),root(2),found(3,_290106),found
(2,_290634),found(2,_290446),found(5,_290434),found(5,
_290270),found(3,_290258),found(3,_290118),found(2,
_290646),[]]
[link(_290646,_290634),link(_290446,_290434),link(_290270
,_290258),link(_290118,_290106),point(5,2),point(3,5),
point(1,3),point(4,1),root(2),found(5,_290118),found
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,_290258),link(_290118,_290106),point(5,2),point(3,5),
point(1,3),point(4,1),root(2),found(5,_290258),found
(5,_290118),found(3,_290106),found(2,_290634),found(2,
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,_290258),link(_290118,_290106),point(5,2),point(3,5),
point(1,3),point(4,1),root(2),found(2,_290270),found
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[link(_290646,_290634),link(_290446,_290434),link(_290270
,_290258),link(_290118,_290106),point(5,2),point(3,5),
point(1,3),point(4,1),root(2),found(2,_290434),found
(2,_290270),found(5,_290258),found(5,_290118),found(3,
_290106),found(2,_290634),found(2,_290446),found(2,
_290646),[]]
[link(_290646,_290634),link(_290446,_290434),link(_290270
,_290258),link(_290118,_290106),point(5,2),point(3,5),
point(1,3),point(4,1),root(2),found(2,_290434),found
(2,_290270),found(5,_290258),found(5,_290118),found(3,
_290106),found(2,_290634),found(2,_290446),found(2,
_290646),[]]
[link(_290446,_290434),link(_290270,_290258),link(_290118
,_290106),point(5,2),point(3,5),point(1,3),point(4,1),
root(2),found(2,_290434),found(2,_290270),found(5,
_290258),found(5,_290118),found(3,_290106),found(2,

```

```
[
  (__290446) , [[]
[ link (__290446 , __290434) , link (__290270 , __290258) , link (__290118 , __290106) , point (5,2) , point (3,5) , point (1,3) , point (4,1) ,
  root (2) , found (5 , __290106) , found (2 , __290434) , found (2 ,
  __290270) , found (5 , __290258) , found (5 , __290118) , found (2 ,
  __290446) , [[]
[ link (__290446 , __290434) , link (__290270 , __290258) , link (__290118 , __290106) , point (5,2) , point (3,5) , point (1,3) , point (4,1) ,
  root (2) , found (5 , __290106) , found (2 , __290434) , found (2 ,
  __290270) , found (5 , __290258) , found (5 , __290118) , found (2 ,
  __290446) , [[]
[ link (__290446 , __290434) , link (__290270 , __290258) , link (__290118 , __290106) , point (5,2) , point (3,5) , point (1,3) , point (4,1) ,
  root (2) , found (2 , __290118) , found (5 , __290106) , found (2 ,
  __290434) , found (2 , __290270) , found (5 , __290258) , found (2 ,
  __290446) , [[]
[ link (__290446 , __290434) , link (__290270 , __290258) , link (__290118 , __290106) , point (5,2) , point (3,5) , point (1,3) , point (4,1) ,
  root (2) , found (2 , __290258) , found (2 , __290118) , found (5 ,
  __290106) , found (2 , __290434) , found (2 , __290270) , found (2 ,
  __290446) , [[]
[ link (__290446 , __290434) , link (__290270 , __290258) , link (__290118 , __290106) , point (5,2) , point (3,5) , point (1,3) , point (4,1) ,
  root (2) , found (2 , __290258) , found (2 , __290118) , found (5 ,
  __290106) , found (2 , __290434) , found (2 , __290270) , found (2 ,
  __290446) , [[]
[ link (__290270 , __290258) , link (__290118 , __290106) , point (5,2) ,
  point (3,5) , point (1,3) , point (4,1) , root (2) , found (2 ,
  __290258) , found (2 , __290118) , found (5 , __290106) , found (2 ,
  __290270) , [[]
[ link (__290270 , __290258) , link (__290118 , __290106) , point (5,2) ,
  point (3,5) , point (1,3) , point (4,1) , root (2) , found (2 ,
  __290106) , found (2 , __290258) , found (2 , __290118) , found (2 ,
  __290270) , [[]
[ link (__290270 , __290258) , link (__290118 , __290106) , point (5,2) ,
  point (3,5) , point (1,3) , point (4,1) , root (2) , found (2 ,
  __290106) , found (2 , __290258) , found (2 , __290118) , found (2 ,
  __290270) , [[]
[ link (__290118 , __290106) , point (5,2) , point (3,5) , point (1,3) ,
  point (4,1) , root (2) , found (2 , __290106) , found (2 , __290118)
  , [[]
[ point (5,2) , point (3,5) , point (1,3) , point (4,1) , root (2) , [[]
]
```

```

Store = Query = [ union (4,1) , union (5,4) , union (1,5) , union
                  (2,1) , union (2,2) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (4,1) , union (5,4) , union (1,5) , union (2,1) , union (2,2) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (5,4) , union (1,5) , union (2,1) , union (2,2) , find (1,
  _299576) , find (4, _299588) , link (_299588, _299576) , root (5)
  , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (1,5) , union (2,1) , union (2,2) , find (4, _299740) , find (5,
  _299752) , find (1, _299576) , find (4, _299588) , link (_299752,
  _299740) , link (_299588, _299576) , root (5) , root (4) , root (3)
  , root (2) , root (1) , [] ]
[ union (2,1) , union (2,2) , find (5, _299928) , find (1, _299940) ,
  find (4, _299740) , find (5, _299752) , find (1, _299576) , find
  (4, _299588) , link (_299940, _299928) , link (_299752, _299740)
  , link (_299588, _299576) , root (5) , root (4) , root (3) , root
  (2) , root (1) , [] ]
[ union (2,2) , find (1, _300140) , find (2, _300152) , find (5,
  _299928) , find (1, _299940) , find (4, _299740) , find (5,
  _299752) , find (1, _299576) , find (4, _299588) , link (_300152,
  _300140) , link (_299940, _299928) , link (_299752, _299740) ,
  link (_299588, _299576) , root (5) , root (4) , root (3) , root (2) ,
  root (1) , [] ]
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... (line too long)

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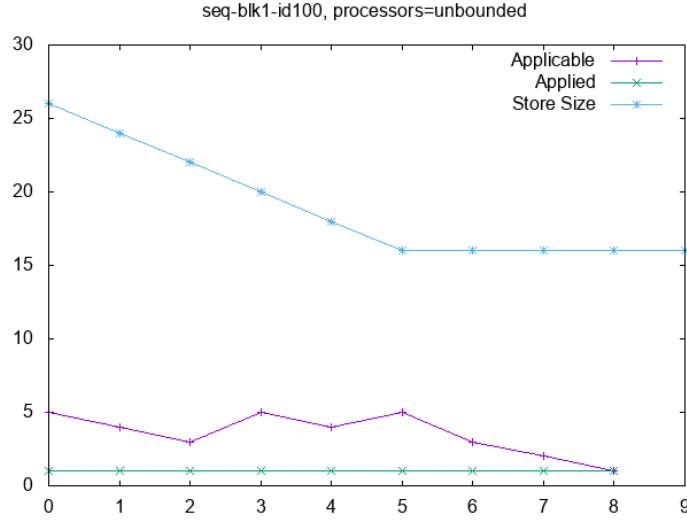
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)
[link(_300152,_300140),link(_299940,_299928),link(_299752
, _299740),link(_299588,_299576),point(4,5),point(1,4),
root(5),root(3),root(2),found(2,_300152),found(1,
_300140),found(1,_299940),found(5,_299928),found(5,
_299752),found(4,_299740),found(4,_299588),found(1,
_299576),[]]
[link(_300152,_300140),link(_299940,_299928),link(_299752
, _299740),link(_299588,_299576),point(4,5),point(1,4),
root(5),root(3),root(2),found(4,_299576),found(2,
_300152),found(1,_300140),found(1,_299940),found(5,
_299928),found(5,_299752),found(4,_299740),found(4,
_299588),[]]
[link(_300152,_300140),link(_299940,_299928),link(_299752
, _299740),link(_299588,_299576),point(4,5),point(1,4),
root(5),root(3),root(2),found(4,_299940),found(4,
_299576),found(2,_300152),found(1,_300140),found(5,
_299928),found(5,_299752),found(4,_299740),found(4,
_299588),[]]
[link(_300152,_300140),link(_299940,_299928),link(_299752
, _299740),link(_299588,_299576),point(4,5),point(1,4),
root(5),root(3),root(2),found(4,_300140),found(4,
_299940),found(4,_299576),found(2,_300152),found(5,
_299928),found(5,_299752),found(4,_299740),found(4,
_299588),[]]
[link(_300152,_300140),link(_299940,_299928),link(_299752
, _299740),link(_299588,_299576),point(4,5),point(1,4),
root(5),root(3),root(2),found(5,_299588),found(4,
_300140),found(4,_299940),found(4,_299576),found(2,
_300152),found(5,_299928),found(5,_299752),found(4,
_299740),[]]
[link(_300152,_300140),link(_299940,_299928),link(_299752
, _299740),link(_299588,_299576),point(4,5),point(1,4),
root(5),root(3),root(2),found(5,_299740),found(5,
_299588),found(4,_300140),found(4,_299940),found(4,
_299576),found(2,_300152),found(5,_299928),found(5,
_299752),[]]
[link(_300152,_300140),link(_299940,_299928),link(_299752
, _299740),link(_299588,_299576),point(4,5),point(1,4),
root(5),root(3),root(2),found(5,_299576),found(5,
_299740),found(5,_299588),found(4,_300140),found(4,
_299940),found(2,_300152),found(5,_299928),found(5,
_299752),[]]
[link(_300152,_300140),link(_299940,_299928),link(_299752

```

```

, _299740), link(_299588, _299576), point(4, 5), point(1, 4),
root(5), root(3), root(2), found(5, _299576), found(5,
_299740), found(5, _299588), found(4, _300140), found(4,
_299940), found(2, _300152), found(5, _299928), found(5,
_299752), []]
[link(_300152, _300140), link(_299940, _299928), link(_299752
, _299740), link(_299588, _299576), point(4, 5), point(1, 4),
root(5), root(3), root(2), found(5, _299940), found(5,
_299576), found(5, _299740), found(5, _299588), found(4,
_300140), found(2, _300152), found(5, _299928), found(5,
_299752), []]
[link(_300152, _300140), link(_299940, _299928), link(_299752
, _299740), link(_299588, _299576), point(4, 5), point(1, 4),
root(5), root(3), root(2), found(5, _300140), found(5,
_299940), found(5, _299576), found(5, _299740), found(5,
_299588), found(2, _300152), found(5, _299928), found(5,
_299752), []]
[link(_300152, _300140), link(_299940, _299928), link(_299588
, _299576), point(4, 5), point(1, 4), root(5), root(3), root
(2), found(5, _300140), found(5, _299940), found(5, _299576)
, found(5, _299588), found(2, _300152), found(5, _299928)
, []]
[link(_300152, _300140), link(_299940, _299928), point(4, 5),
point(1, 4), root(5), root(3), root(2), found(5, _300140),
found(5, _299940), found(2, _300152), found(5, _299928), []]
[link(_300152, _300140), point(4, 5), point(1, 4), root(5), root
(3), root(2), found(5, _300140), found(2, _300152), []]
[link(_300152, _300140), point(5, 2), point(4, 5), point(1, 4),
root(3), root(2), found(5, _300140), found(2, _300152), []]
[link(_300152, _300140), point(5, 2), point(4, 5), point(1, 4),
root(3), root(2), found(2, _300140), found(2, _300152), []]
[point(5, 2), point(4, 5), point(1, 4), root(3), root(2), []]

```

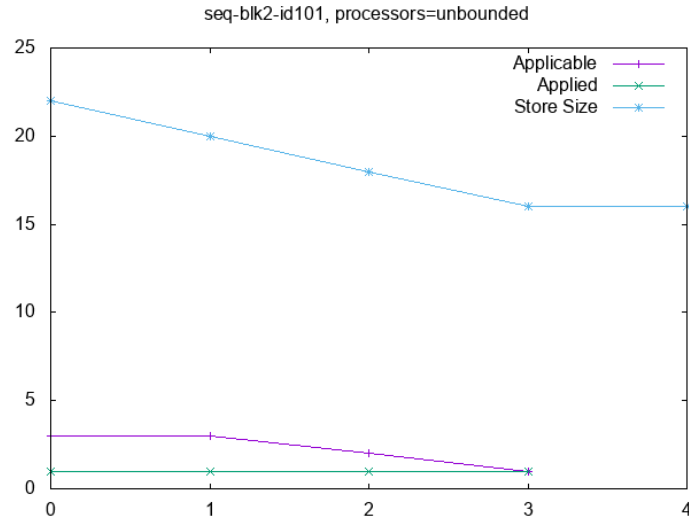


```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
  (2,102),grab(1,101),empty(5),empty(4),empty(3),empty
  (2),empty(1),clear(105),clear(104),clear(103),clear
  (102),clear(101),on(105,5),on(104,4),on(103,3),on
  (102,2),on(101,1),put(1,2),put(4,1),put(3,4),put(3,3),
  put(5,3),[]]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
[grab(1,101),empty(1),clear(2),clear(3),clear(4),clear(5)
,clear(101),on(101,1),put(1,2),put(4,1),put(3,4),put
(3,3),put(5,3),hold(2,102),hold(3,103),hold(4,104),
hold(5,105),[]]
[clear(1),clear(2),clear(3),clear(4),clear(5),put(1,2),
put(4,1),put(3,4),put(3,3),put(5,3),hold(1,101),hold
(2,102),hold(3,103),hold(4,104),hold(5,105),[]]
[empty(5),clear(105),clear(1),clear(2),clear(4),clear(5),
on(105,3),put(1,2),put(4,1),put(3,4),put(3,3),hold
(1,101),hold(2,102),hold(3,103),hold(4,104),[]]
[empty(5),clear(105),clear(1),clear(2),clear(4),clear(5),
on(105,3),put(1,2),put(4,1),put(3,4),put(3,3),hold
(1,101),hold(2,102),hold(3,103),hold(4,104),[]]
[empty(3),empty(5),clear(103),clear(105),clear(1),clear
(2),clear(5),on(103,4),on(105,3),put(1,2),put(4,1),put
(3,3),hold(1,101),hold(2,102),hold(4,104),[]]
[empty(4),empty(3),empty(5),clear(104),clear(103),clear
(105),clear(2),clear(5),on(104,1),on(103,4),on(105,3),
put(1,2),put(3,3),hold(1,101),hold(2,102),[]]
[empty(1),empty(4),empty(3),empty(5),clear(101),clear
(104),clear(103),clear(105),clear(5),on(101,2),on

```

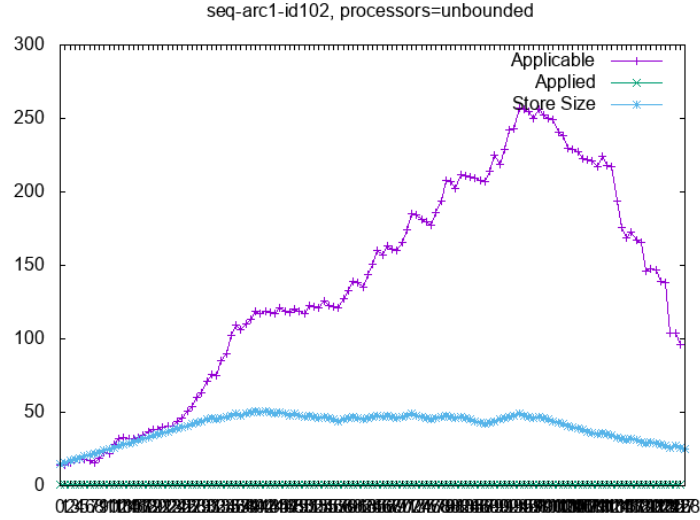
`(104,1),on(103,4),on(105,3),put(3,3),hold(2,102),[]]`



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(5,3),put(4,5),put(2,4),put(1,2),put(4,1),[]]
... (line too long)
... (line too long)
[grab(4,4),grab(2,2),grab(1,1),empty(4),empty(2),empty(1)
  ,clear(4),clear(6),clear(1),on(1,2),put(5,3),put(4,5),
  put(2,4),put(1,2),put(4,1),hold(3,3),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(4),
  clear(6),put(5,3),put(4,5),put(2,4),put(1,2),put(4,1),
  hold(1,1),hold(3,3),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(4),
  clear(6),put(5,3),put(4,5),put(2,4),put(1,2),put(4,1),
  hold(1,1),hold(3,3),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(1),empty(4),empty(2),clear(1),
  clear(4),clear(6),on(1,2),put(5,3),put(4,5),put(2,4),
  put(4,1),hold(3,3),hold(5,5),[]]

```



```

Store = Query = [ arc(2,4,8), arc(3,4,4), arc(3,5,9), arc
    (2,5,11), arc(2,3,4), arc(1,3,5), arc(1,4,13), arc(4,5,6),
    arc(4,5,5), arc(1,5,21), arc(4,5,5), arc(3,4,4), arc
    (2,3,3), arc(1,2,2), [] ]
[ arc(2,4,8), arc(3,4,4), arc(3,5,9), arc(2,5,11), arc(2,3,4),
    arc(1,3,5), arc(1,4,13), arc(4,5,6), arc(4,5,5), arc
    (1,5,21), arc(4,5,5), arc(3,4,4), arc(2,3,3), arc(1,2,2)
    , [] ]
[ arc(2,4,8), arc(3,4,4), arc(3,5,9), arc(2,5,11), arc(2,3,4),
    arc(1,3,5), arc(1,4,13), arc(4,5,6), arc(4,5,5), arc
    (1,5,21), arc(4,5,5), arc(3,4,4), arc(2,3,3), arc(1,2,2),
    path(2,4,8), [] ]
[ arc(2,4,8), arc(3,4,4), arc(3,5,9), arc(2,5,11), arc(2,3,4),
    arc(1,3,5), arc(1,4,13), arc(4,5,6), arc(4,5,5), arc
    (1,5,21), arc(4,5,5), arc(3,4,4), arc(2,3,3), arc(1,2,2),
    path(3,4,4), path(2,4,8), [] ]
[ arc(2,4,8), arc(3,4,4), arc(3,5,9), arc(2,5,11), arc(2,3,4),
    arc(1,3,5), arc(1,4,13), arc(4,5,6), arc(4,5,5), arc
    (1,5,21), arc(4,5,5), arc(3,4,4), arc(2,3,3), arc(1,2,2),
    path(3,5,9), path(3,4,4), path(2,4,8), [] ]
[ arc(2,4,8), arc(3,4,4), arc(3,5,9), arc(2,5,11), arc(2,3,4),
    arc(1,3,5), arc(1,4,13), arc(4,5,6), arc(4,5,5), arc
    (1,5,21), arc(4,5,5), arc(3,4,4), arc(2,3,3), arc(1,2,2),
    path(2,5,11), path(3,5,9), path(3,4,4), path(2,4,8), [] ]
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[illegible]

[illegible]

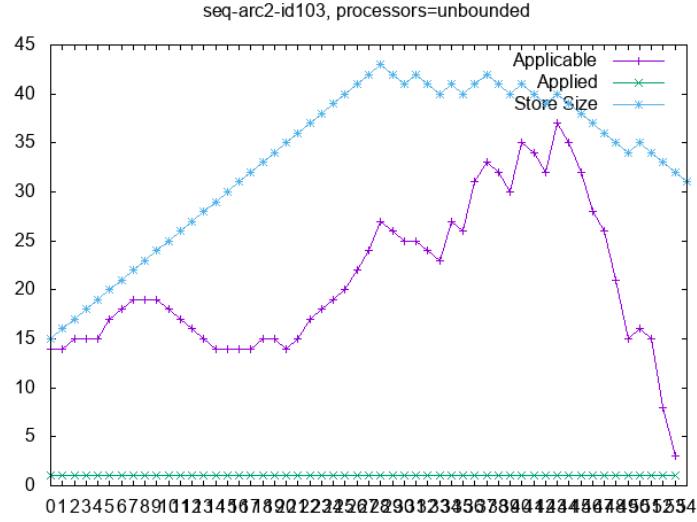
[illegible]

[illegible]

[illegible]

[illegible]

... (line too long)
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... (line too long)
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... (line too long)



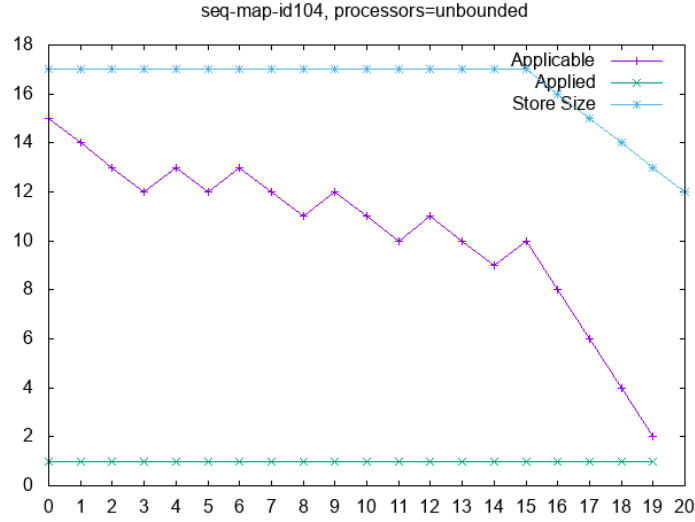
```

Store = Query = [ arc(1,4,13), arc(4,5,6), arc(2,5,11), arc
(2,3,4), arc(5,9,25), arc(4,9,34), arc(3,9,45), arc
(2,9,58), arc(1,9,73), arc(0,5,25), arc(0,4,16), arc
(0,3,9), arc(0,2,4), arc(0,1,1), [] ]
[ arc(1,4,13), arc(4,5,6), arc(2,5,11), arc(2,3,4), arc
(5,9,25), arc(4,9,34), arc(3,9,45), arc(2,9,58), arc
(1,9,73), arc(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4)
, arc(0,1,1), [] ]
[ arc(1,4,13), arc(4,5,6), arc(2,5,11), arc(2,3,4), arc
(5,9,25), arc(4,9,34), arc(3,9,45), arc(2,9,58), arc
(1,9,73), arc(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4)
, arc(0,1,1), path(1,4,13), [] ]
[ arc(1,4,13), arc(4,5,6), arc(2,5,11), arc(2,3,4), arc
(5,9,25), arc(4,9,34), arc(3,9,45), arc(2,9,58), arc
(1,9,73), arc(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4)
, arc(0,1,1), path(4,5,6), path(1,4,13), [] ]
[ arc(1,4,13), arc(4,5,6), arc(2,5,11), arc(2,3,4), arc
(5,9,25), arc(4,9,34), arc(3,9,45), arc(2,9,58), arc
(1,9,73), arc(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4)
, arc(0,1,1), path(2,5,11), path(4,5,6), path(1,4,13), [] ]
[ arc(1,4,13), arc(4,5,6), arc(2,5,11), arc(2,3,4), arc
(5,9,25), arc(4,9,34), arc(3,9,45), arc(2,9,58), arc
(1,9,73), arc(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4)
, arc(0,1,1), path(2,3,4), path(2,5,11), path(4,5,6), path
(1,4,13), [] ]
... (line too long)
... (line too long)
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... (line too long)
... (line too long)
... (line too long)

```

[illegible]

[illegible]



```

Store = Query = [mapreduce(cw,cw),data(1),data(10),data
(5),data(5),data(2),data(1),data(9),data(7),data(2),
data(4),data(3),data(4),data(6),data(8),data(3),[]]
[mapreduce(cw,cw),data(1),data(10),data(5),data(5),data
(2),data(1),data(9),data(7),data(2),data(4),data(3),
data(4),data(6),data(8),data(3),[]]
[mapreduce(cw,cw),data(10),data(5),data(5),data(2),data
(1),data(9),data(7),data(2),data(4),data(3),data(4),
data(6),data(8),data(3),work(cw,1,1),[]]
[mapreduce(cw,cw),data(5),data(5),data(2),data(1),data(9)
,data(7),data(2),data(4),data(3),data(4),data(6),data
(8),data(3),work(cw,10,1),work(cw,1,1),[]]
[mapreduce(cw,cw),data(5),data(2),data(1),data(9),data(7)
,data(2),data(4),data(3),data(4),data(6),data(8),data
(3),work(cw,5,1),work(cw,10,1),work(cw,1,1),[]]
[mapreduce(cw,cw),data(2),data(1),data(9),data(7),data(2)
,data(4),data(3),data(4),data(6),data(8),data(3),work(
cw,5,1),work(cw,5,1),work(cw,10,1),work(cw,1,1),[]]
[mapreduce(cw,cw),data(1),data(9),data(7),data(2),data(4)
,data(3),data(4),data(6),data(8),data(3),work(cw,2,1),
work(cw,5,1),work(cw,5,1),work(cw,10,1),work(cw,1,1)
,[]]
[mapreduce(cw,cw),data(9),data(7),data(2),data(4),data(3)
,data(4),data(6),data(8),data(3),work(cw,1,1),work(cw
,2,1),work(cw,5,1),work(cw,5,1),work(cw,10,1),work(cw
,1,1),[]]
[mapreduce(cw,cw),data(7),data(2),data(4),data(3),data(4)
,data(6),data(8),data(3),work(cw,9,1),work(cw,1,1),
work(cw,2,1),work(cw,5,1),work(cw,5,1),work(cw,10,1),
work(cw,1,1),[]]
[mapreduce(cw,cw),data(2),data(4),data(3),data(4),data(6)

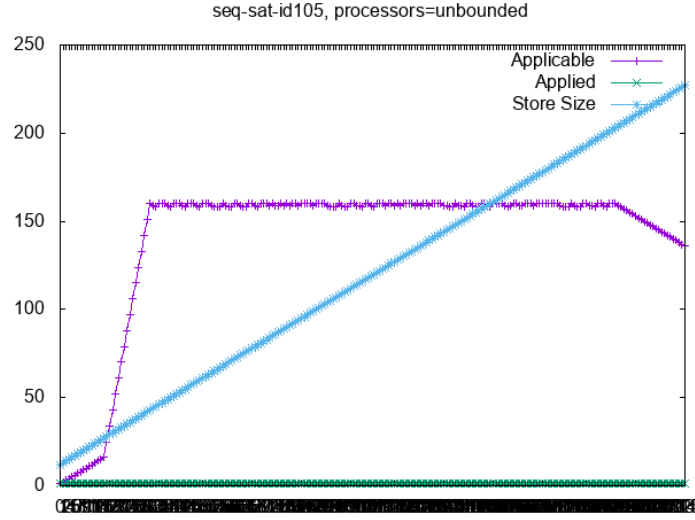
```

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[ ,data(8) ,data(3) ,work(cw,7,1) ,work(cw,9,1) ,work(cw  
    ,1,1) ,work(cw,2,1) ,work(cw,5,1) ,work(cw,5,1) ,work(cw  
    ,10,1) ,work(cw,1,1) ] ,[[  
[mapreduce(cw,cw) ,data(4) ,data(3) ,data(4) ,data(6) ,data(8)  
    ,data(3) ,work(cw,2,1) ,work(cw,7,1) ,work(cw,9,1) ,work(  
    cw,1,1) ,work(cw,2,1) ,work(cw,5,1) ,work(cw,5,1) ,work(cw  
    ,10,1) ,work(cw,1,1) ] ,[[  
[mapreduce(cw,cw) ,data(3) ,data(4) ,data(6) ,data(8) ,data(3)  
    ,work(cw,4,1) ,work(cw,2,1) ,work(cw,7,1) ,work(cw,9,1) ,  
    work(cw,1,1) ,work(cw,2,1) ,work(cw,5,1) ,work(cw,5,1) ,  
    work(cw,10,1) ,work(cw,1,1) ] ,[[  
[mapreduce(cw,cw) ,data(4) ,data(6) ,data(8) ,data(3) ,work(cw  
    ,3,1) ,work(cw,4,1) ,work(cw,2,1) ,work(cw,7,1) ,work(cw  
    ,9,1) ,work(cw,1,1) ,work(cw,2,1) ,work(cw,5,1) ,work(cw  
    ,5,1) ,work(cw,10,1) ,work(cw,1,1) ] ,[[  
[mapreduce(cw,cw) ,data(6) ,data(8) ,data(3) ,work(cw,4,1) ,  
    work(cw,3,1) ,work(cw,4,1) ,work(cw,2,1) ,work(cw,7,1) ,  
    work(cw,9,1) ,work(cw,1,1) ,work(cw,2,1) ,work(cw,5,1) ,  
    work(cw,5,1) ,work(cw,10,1) ,work(cw,1,1) ] ,[[  
[mapreduce(cw,cw) ,data(8) ,data(3) ,work(cw,6,1) ,work(cw  
    ,4,1) ,work(cw,3,1) ,work(cw,4,1) ,work(cw,2,1) ,work(cw  
    ,7,1) ,work(cw,9,1) ,work(cw,1,1) ,work(cw,2,1) ,work(cw  
    ,5,1) ,work(cw,5,1) ,work(cw,10,1) ,work(cw,1,1) ] ,[[  
[mapreduce(cw,cw) ,data(3) ,work(cw,8,1) ,work(cw,6,1) ,work(  
    cw,4,1) ,work(cw,3,1) ,work(cw,4,1) ,work(cw,2,1) ,work(cw  
    ,7,1) ,work(cw,9,1) ,work(cw,1,1) ,work(cw,2,1) ,work(cw  
    ,5,1) ,work(cw,5,1) ,work(cw,10,1) ,work(cw,1,1) ] ,[[  
[mapreduce(cw,cw) ,work(cw,3,1) ,work(cw,8,1) ,work(cw,6,1) ,  
    work(cw,4,1) ,work(cw,3,1) ,work(cw,4,1) ,work(cw,2,1) ,  
    work(cw,7,1) ,work(cw,9,1) ,work(cw,1,1) ,work(cw,2,1) ,  
    work(cw,5,1) ,work(cw,5,1) ,work(cw,10,1) ,work(cw,1,1)  
    ] ,[[  
[mapreduce(cw,cw) ,work(cw,5,2) ,work(cw,3,1) ,work(cw,8,1) ,  
    work(cw,6,1) ,work(cw,4,1) ,work(cw,3,1) ,work(cw,4,1) ,  
    work(cw,2,1) ,work(cw,7,1) ,work(cw,9,1) ,work(cw,1,1) ,  
    work(cw,2,1) ,work(cw,10,1) ,work(cw,1,1) ] ,[[  
[mapreduce(cw,cw) ,work(cw,5,2) ,work(cw,3,1) ,work(cw,8,1) ,  
    work(cw,6,1) ,work(cw,4,1) ,work(cw,3,1) ,work(cw,4,1) ,  
    work(cw,2,1) ,work(cw,7,1) ,work(cw,9,1) ,work(cw,1,1) ,  
    work(cw,2,1) ,work(cw,10,1) ,work(cw,1,1) ] ,[[  
[mapreduce(cw,cw) ,work(cw,1,2) ,work(cw,5,2) ,work(cw,3,1) ,  
    work(cw,8,1) ,work(cw,6,1) ,work(cw,4,1) ,work(cw,3,1) ,  
    work(cw,4,1) ,work(cw,2,1) ,work(cw,7,1) ,work(cw,9,1) ,  
    work(cw,2,1) ,work(cw,10,1) ] ,[[  
[mapreduce(cw,cw) ,work(cw,1,2) ,work(cw,5,2) ,work(cw,3,1) ,  
    work(cw,8,1) ,work(cw,6,1) ,work(cw,4,1) ,work(cw,3,1) ,  
    work(cw,4,1) ,work(cw,2,1) ,work(cw,7,1) ,work(cw,9,1) ,  
    work(cw,2,1) ,work(cw,10,1) ] ,[[  
[mapreduce(cw,cw) ,work(cw,2,2) ,work(cw,1,2) ,work(cw,5,2) ,  
    work(cw,3,1) ,work(cw,8,1) ,work(cw,6,1) ,work(cw,4,1) ,
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        work(cw,3,1),work(cw,4,1),work(cw,7,1),work(cw,9,1),
        work(cw,10,1),[]]
[mapreduce(cw,cw),work(cw,2,2),work(cw,1,2),work(cw,5,2),
work(cw,3,1),work(cw,8,1),work(cw,6,1),work(cw,4,1),
work(cw,3,1),work(cw,4,1),work(cw,7,1),work(cw,9,1),
work(cw,10,1),[]]
[mapreduce(cw,cw),work(cw,4,2),work(cw,2,2),work(cw,1,2),
work(cw,5,2),work(cw,3,1),work(cw,8,1),work(cw,6,1),
work(cw,3,1),work(cw,7,1),work(cw,9,1),work(cw,10,1)
,[]]
[mapreduce(cw,cw),work(cw,4,2),work(cw,2,2),work(cw,1,2),
work(cw,5,2),work(cw,3,1),work(cw,8,1),work(cw,6,1),
work(cw,3,1),work(cw,7,1),work(cw,9,1),work(cw,10,1)
,[]]
[mapreduce(cw,cw),work(cw,3,2),work(cw,4,2),work(cw,2,2),
work(cw,1,2),work(cw,5,2),work(cw,8,1),work(cw,6,1),
work(cw,7,1),work(cw,9,1),work(cw,10,1),[]]
[mapreduce(cw,cw),work(cw,3,2),work(cw,4,2),work(cw,2,2),
work(cw,1,2),work(cw,5,2),work(cw,8,1),work(cw,6,1),
work(cw,7,1),work(cw,9,1),work(cw,10,1),[]]

```



```

Store = Query = [ f([1,2,3,4,5],[ ]),eq(15,or(1,5)),eq(31,
    and(3,1)),eq(33,neg(3)),eq(23,or(2,3)),eq(42,and(4,2))
    ,eq(5,v(5)),eq(4,v(4)),eq(3,v(3)),eq(2,v(2)),eq(1,v(1)
    ),[ ]
[ f([1,2,3,4,5],[ ]),eq(15,or(1,5)),eq(31,and(3,1)),eq(33,
    neg(3)),eq(23,or(2,3)),eq(42,and(4,2)),eq(5,v(5)),eq
    (4,v(4)),eq(3,v(3)),eq(2,v(2)),eq(1,v(1)),[ ]
[ f([2,3,4,5],[ false(1) ]),f([2,3,4,5],[ true(1) ]),eq(15,or
    (1,5)),eq(31,and(3,1)),eq(33,neg(3)),eq(23,or(2,3)),eq
    (42,and(4,2)),eq(5,v(5)),eq(4,v(4)),eq(3,v(3)),eq(2,v
    (2)),eq(1,v(1)),[ ]
[ f([3,4,5],[ false(2),false(1) ]),f([3,4,5],[ true(2),false
    (1) ]),f([2,3,4,5],[ true(1) ]),eq(15,or(1,5)),eq(31,and
    (3,1)),eq(33,neg(3)),eq(23,or(2,3)),eq(42,and(4,2)),eq
    (5,v(5)),eq(4,v(4)),eq(3,v(3)),eq(2,v(2)),eq(1,v(1))
    ,[ ]
[ f([3,4,5],[ false(2),true(1) ]),f([3,4,5],[ true(2),true(1)
    ]),f([3,4,5],[ false(2),false(1) ]),f([3,4,5],[ true(2),
    false(1) ]),eq(15,or(1,5)),eq(31,and(3,1)),eq(33,neg(3))
    ,eq(23,or(2,3)),eq(42,and(4,2)),eq(5,v(5)),eq(4,v(4))
    ,eq(3,v(3)),eq(2,v(2)),eq(1,v(1)),[ ]
[ f([4,5],[ false(3),false(2),false(1) ]),f([4,5],[ true(3),
    false(2),false(1) ]),f([3,4,5],[ false(2),true(1) ]),f
    ([3,4,5],[ true(2),true(1) ]),f([3,4,5],[ true(2),false
    (1) ]),eq(15,or(1,5)),eq(31,and(3,1)),eq(33,neg(3)),eq
    (23,or(2,3)),eq(42,and(4,2)),eq(5,v(5)),eq(4,v(4)),eq
    (3,v(3)),eq(2,v(2)),eq(1,v(1)),[ ]
[ f([4,5],[ false(3),true(2),false(1) ]),f([4,5],[ true(3),
    true(2),false(1) ]),f([4,5],[ false(3),false(2),false(1)
    ]),f([4,5],[ true(3),false(2),false(1) ]),f([3,4,5],[
    false(2),true(1) ]),f([3,4,5],[ true(2),true(1) ]),eq(15,

```


[illegible]

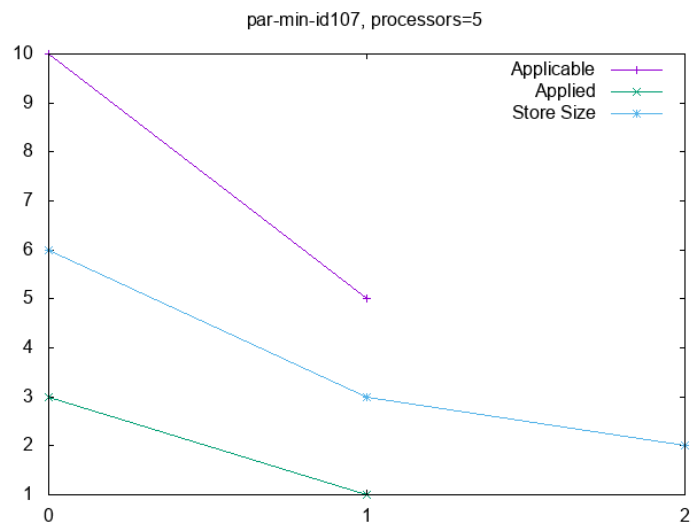
[illegible]

[illegible]

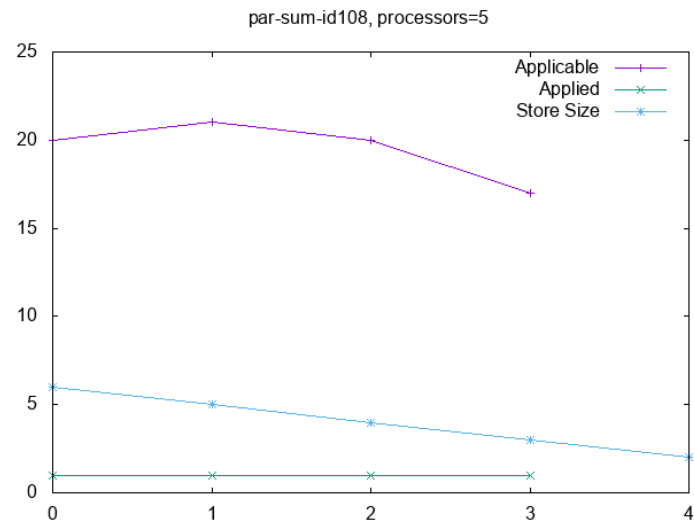
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\begin{center}
\includegraphics[width=0.8\linewidth]{./par-fib-id106-
proc-5.png}
\end{center}
\begin{lstlisting}[breaklines=true]
Store = Query = [ fib(5) , [] ]
[ fib(5) , [] ]
[ fib(3) , fib(4) , [] ]
[ fib(2) , fib(3) , fib(1) , fib(2) , [] ]
[ sum(1) , fib(0) , fib(1) , fib(1) , fib(2) , fib(0) , fib(1) , [] ]
[ sum(1) , sum(1) , sum(1) , sum(1) , sum(1) , fib(0) , fib(1) , fib(0)
, [] ]
[ sum(2) , sum(2) , sum(1) , fib(0) , fib(1) , fib(0) , [] ]
[ sum(3) , sum(2) , fib(0) , fib(1) , fib(0) , [] ]
[ sum(5) , sum(1) , fib(0) , fib(0) , [] ]
[ sum(6) , sum(1) , fib(0) , [] ]
[ sum(7) , fib(0) , [] ]
[ sum(7) , fib(0) , [] ]
[ sum(1) , sum(7) , [] ]
[ sum(8) , [] ]

```



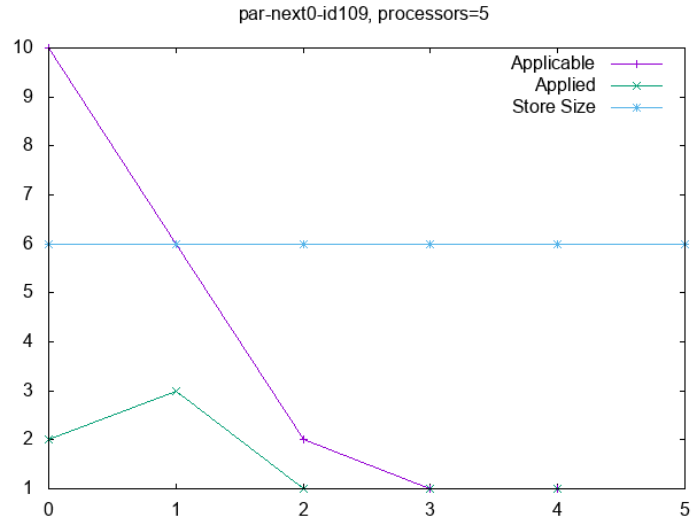
```
Store = Query = [min(2) ,min(5) ,min(1) ,min(4) ,min(3) ,[]]
[ min(2) ,min(5) ,min(1) ,min(4) ,min(3) ,[] ]
[ min(2) ,min(1) ,[] ]
[ min(1) ,[] ]
```



```

Store = Query = [sum(1),sum(5),sum(3),sum(2),sum(4),[]]
[sum(1),sum(5),sum(3),sum(2),sum(4),[]]
[sum(6),sum(1),sum(5),sum(3),[]]
[sum(7),sum(5),sum(3),[]]
[sum(12),sum(3),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]

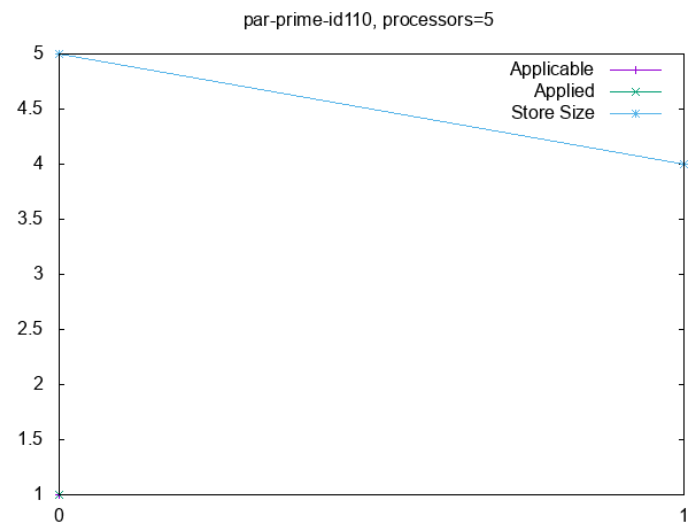
```



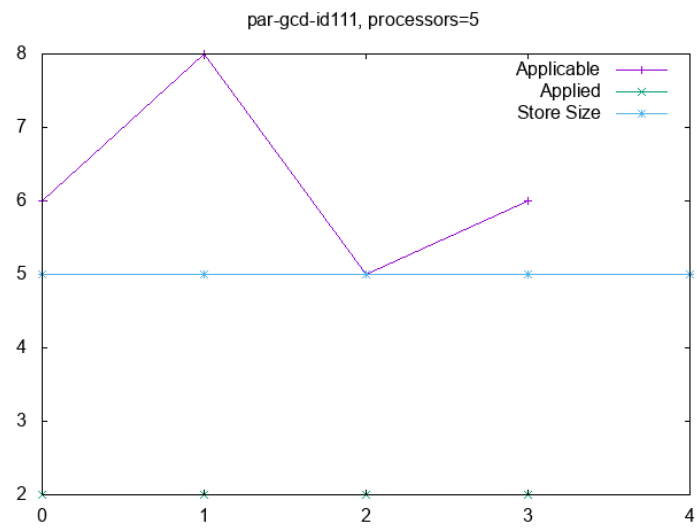
```

Store = Query = [next(0,4),next(0,1),next(0,3),next(0,5),
                  next(0,2),[]]
[next(0,4),next(0,1),next(0,3),next(0,5),next(0,2),[]]
[next(2,5),next(2,3),next(0,4),next(0,1),next(0,2),[]]
[next(3,5),next(1,2),next(1,4),next(2,3),next(0,1),[]]
[next(2,4),next(3,5),next(1,2),next(2,3),next(0,1),[]]
[next(3,4),next(3,5),next(1,2),next(2,3),next(0,1),[]]
[next(4,5),next(3,4),next(1,2),next(2,3),next(0,1),[]]

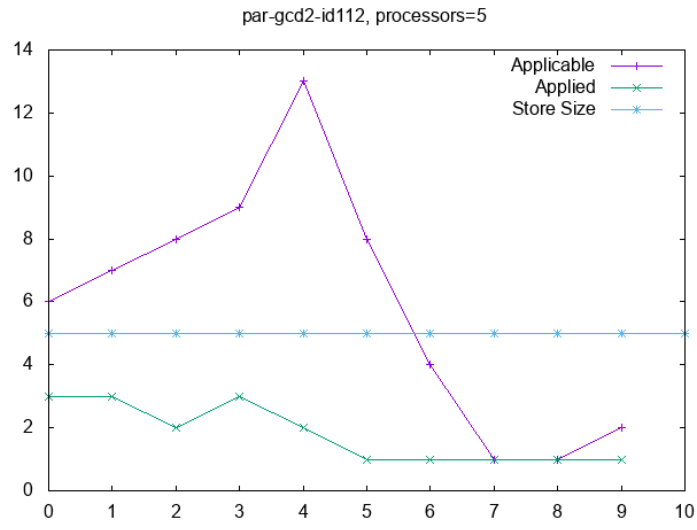
```



```
Store = Query = [prime(3),prime(4),prime(5),prime(2),[]]
[prime(3),prime(4),prime(5),prime(2),[]]
[prime(3),prime(5),prime(2),[]]
```

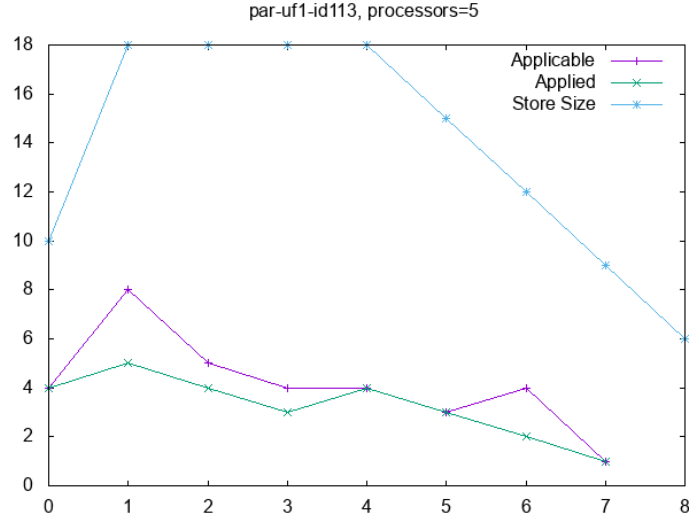
```
Store = Query = [gcd(3),gcd(5),gcd(4),gcd(2),[]]
[gcd(3),gcd(5),gcd(4),gcd(2),[]]
[gcd(2),gcd(3),gcd(3),gcd(2),[]]
[gcd(0),gcd(1),gcd(2),gcd(2),[]]
[gcd(1),gcd(1),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
```



```

Store = Query = [gcd(16),gcd(7),gcd(5),gcd(11),[]]
[gcd(16),gcd(7),gcd(5),gcd(11),[]]
[gcd(6),gcd(2),gcd(11),gcd(5),[]]
[gcd(6),gcd(3),gcd(4),gcd(2),[]]
[gcd(2),gcd(1),gcd(6),gcd(2),[]]
[gcd(5),gcd(1),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(5),gcd(1),[]]
[gcd(4),gcd(0),gcd(0),gcd(1),[]]
[gcd(3),gcd(0),gcd(0),gcd(1),[]]
[gcd(2),gcd(0),gcd(0),gcd(1),[]]
[gcd(1),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

```



```

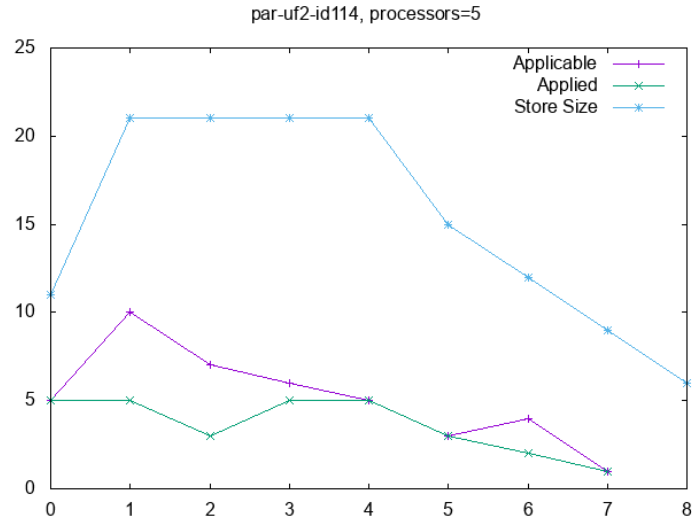
Store = Query = [ union (3,2) , union (1,3) , union (5,1) , union
                  (4,5) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (3,2) , union (1,3) , union (5,1) , union (4,5) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (5, _2110462) , find (4, _2110474) , find (1, _2110486) , find
  (5, _2110498) , find (3, _2110510) , find (1, _2110522) , find (2,
    _2110534) , find (3, _2110546) , link (_2110474, _2110462) ,
    link (_2110498, _2110486) , link (_2110522, _2110510) , link (
      _2110546, _2110534) , root (5) , root (4) , root (3) , root (2) ,
      root (1) , [] ]
[ find (5, _2110462) , find (4, _2110474) , find (1, _2110486) , link (
  _2110474, _2110462) , link (_2110498, _2110486) , link (
    _2110522, _2110510) , link (_2110546, _2110534) , root (5) ,
    root (4) , root (3) , root (2) , root (1) , found (3, _2110546) ,
    found (2, _2110534) , found (1, _2110522) , found (3, _2110510) ,
    found (5, _2110498) , [] ]
[ link (_2110474, _2110462) , link (_2110498, _2110486) , link (
  _2110522, _2110510) , link (_2110546, _2110534) , point (3,1) ,
  root (5) , root (4) , root (2) , root (1) , found (1, _2110486) ,
  found (4, _2110474) , found (5, _2110462) , found (3, _2110546) ,
  found (2, _2110534) , found (1, _2110522) , found (3, _2110510) ,
  found (5, _2110498) , [] ]
[ link (_2110474, _2110462) , link (_2110498, _2110486) , link (
  _2110522, _2110510) , link (_2110546, _2110534) , point (5,4) ,
  point (3,1) , root (4) , root (2) , root (1) , found (1, _2110546) ,
  found (1, _2110510) , found (1, _2110486) , found (4, _2110474) ,
  found (5, _2110462) , found (2, _2110534) , found (1, _2110522) ,
  found (5, _2110498) , [] ]
[ link (_2110474, _2110462) , link (_2110498, _2110486) , link (
  _2110546, _2110534) , point (2,1) , point (5,4) , point (3,1) ,
  root (4) , root (1) , found (4, _2110462) , found (4, _2110498) ,

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        found(1,_2110546),found(1,_2110486),found(4,_2110474),
        found(2,_2110534),[]]
[link(_2110498,_2110486),link(_2110546,_2110534),point
  (1,4),point(2,1),point(5,4),point(3,1),root(4),found
  (1,_2110534),found(4,_2110498),found(1,_2110546),found
  (1,_2110486),[]]
[link(_2110498,_2110486),point(1,4),point(2,1),point(5,4)
  ,point(3,1),root(4),found(4,_2110486),found(4,_2110498
  ),[]]
[point(1,4),point(2,1),point(5,4),point(3,1),root(4),[]]

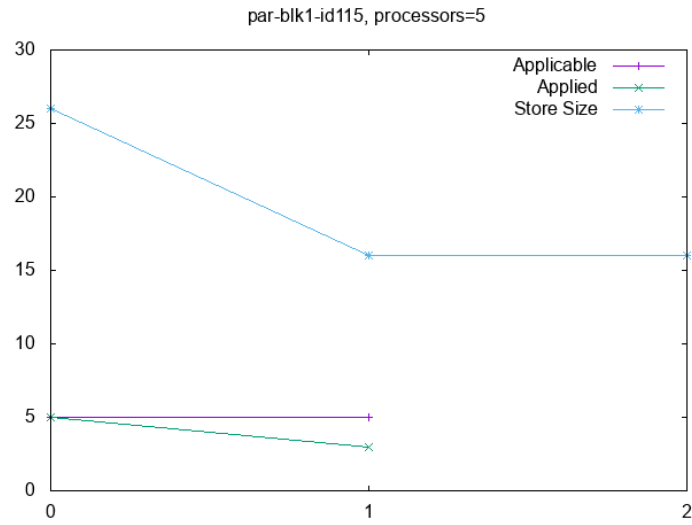
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Store = Query = [ union (1,3) , union (2,1) , union (1,2) , union
                  (2,1) , union (5,2) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (1,3) , union (2,1) , union (1,2) , union (2,1) , union (5,2) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
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[ link (_2112184, _2112172) , link (_2112208, _2112196) , link (
  _2112280, _2112268) , point (3,2) , point (1,2) , root (5) , root
  (4) , root (2) , found (2, _2112196) , found (2, _2112172) , found
  (2, _2112280) , found (5, _2112184) , found (2, _2112208) , found
  (3, _2112268) , [] ]
[ link (_2112184, _2112172) , link (_2112280, _2112268) , point
  (2,5) , point (3,2) , point (1,2) , root (5) , root (4) , found (2,
  _2112268) , found (2, _2112172) , found (2, _2112280) , found (5,
  _2112184) , [] ]
[ link (_2112184, _2112172) , point (2,5) , point (3,2) , point (1,2)
  , root (5) , root (4) , found (5, _2112172) , found (5, _2112184)
  , [] ]
[ point (2,5) , point (3,2) , point (1,2) , root (5) , root (4) , [] ]

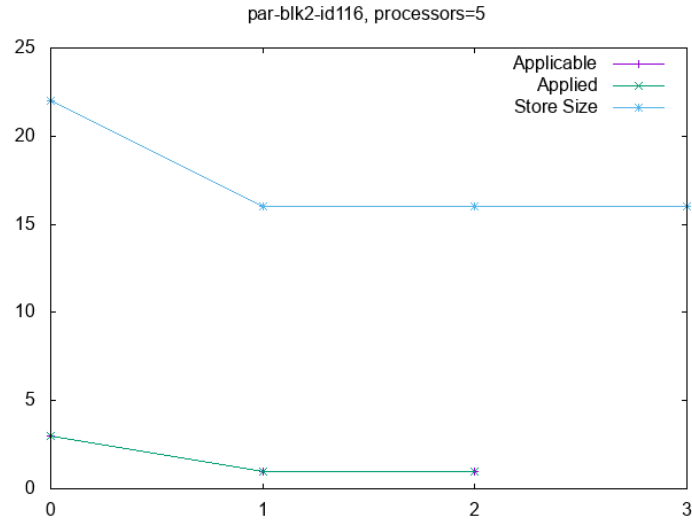
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
  (2,102),grab(1,101),empty(5),empty(4),empty(3),empty
  (2),empty(1),clear(105),clear(104),clear(103),clear
  (102),clear(101),on(105,5),on(104,4),on(103,3),on
  (102,2),on(101,1),put(1,4),put(5,1),put(4,5),put(1,4),
  put(2,1),[]]
... (line too long)
[clear(1),clear(2),clear(3),clear(4),clear(5),put(1,4),
  put(5,1),put(4,5),put(1,4),put(2,1),hold(1,101),hold
  (2,102),hold(3,103),hold(4,104),hold(5,105),[]]
[empty(4),empty(1),empty(5),clear(104),clear(101),clear
  (105),clear(2),clear(3),on(104,5),on(101,4),on(105,1),
  put(1,4),put(2,1),hold(2,102),hold(3,103),[]]

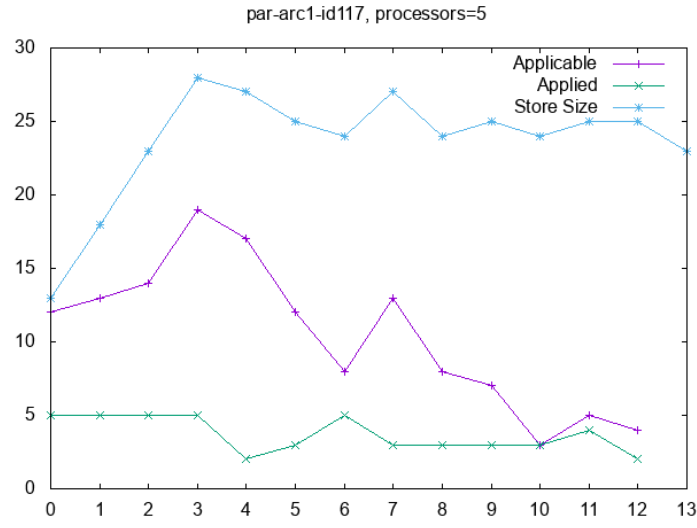
```



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(4,1),put(2,4),put(4,2),put(5,4),put(3,5),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(4),
  clear(6),put(4,1),put(2,4),put(4,2),put(5,4),put(3,5),
  hold(1,1),hold(3,3),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(5),empty(4),empty(2),clear(5),
  clear(2),clear(6),on(5,4),put(4,1),put(2,4),put(4,2),
  put(3,5),hold(1,1),hold(3,3),[]]
[grab(4,4),grab(2,2),empty(3),empty(5),empty(4),empty(2),
  clear(3),clear(2),clear(6),on(3,5),on(5,4),put(4,1),
  put(2,4),put(4,2),hold(1,1),[]]

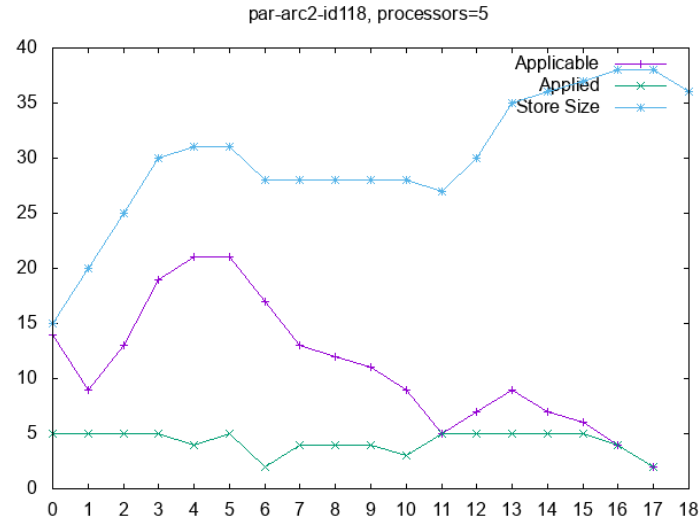
```



```

Store = Query = [ arc(1,3,7), arc(3,5,9), arc(1,5,17), arc
    (1,2,3), arc(2,4,8), arc(4,5,6), arc(2,5,11), arc(1,5,21),
    arc(4,5,5), arc(3,4,4), arc(2,3,3), arc(1,2,2), [] ]
[ arc(1,3,7), arc(3,5,9), arc(1,5,17), arc(1,2,3), arc(2,4,8),
    arc(4,5,6), arc(2,5,11), arc(1,5,21), arc(4,5,5), arc
    (3,4,4), arc(2,3,3), arc(1,2,2), [] ]
[ arc(1,3,7), arc(3,5,9), arc(1,5,17), arc(1,2,3), arc(2,4,8),
    arc(4,5,6), arc(2,5,11), arc(1,5,21), arc(4,5,5), arc
    (3,4,4), arc(2,3,3), arc(1,2,2), path(1,2,2), path(2,3,3),
    path(3,4,4), path(4,5,5), path(1,5,21), [] ]
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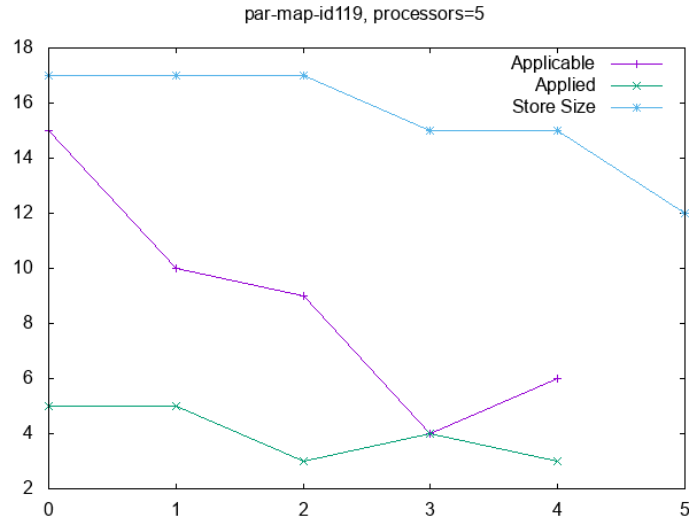
```

```

Store = Query = [ arc(4,5,5), arc(3,4,4), arc(2,3,3), arc
  (1,2,2), arc(5,9,25), arc(4,9,34), arc(3,9,45), arc
  (2,9,58), arc(1,9,73), arc(0,5,25), arc(0,4,16), arc
  (0,3,9), arc(0,2,4), arc(0,1,1), [] ]
[ arc(4,5,5), arc(3,4,4), arc(2,3,3), arc(1,2,2), arc(5,9,25),
  arc(4,9,34), arc(3,9,45), arc(2,9,58), arc(1,9,73), arc
  (0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4), arc(0,1,1)
  , [] ]
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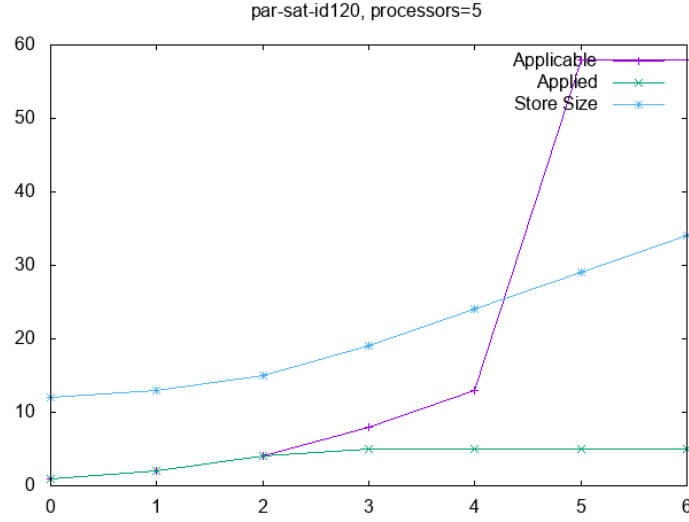
```



```

Store = Query = [mapreduce(cw,cw),data(2),data(1),data(8)
, data(5),data(7),data(5),data(3),data(1),data(2),data
(4),data(3),data(6),data(10),data(4),data(9),[]]
[mapreduce(cw,cw),data(2),data(1),data(8),data(5),data(7)
,data(5),data(3),data(1),data(2),data(4),data(3),data
(6),data(10),data(4),data(9),[]]
[mapreduce(cw,cw),data(2),data(1),data(8),data(5),data(7)
,data(5),data(1),data(2),data(3),data(4),work(cw,9,1),
work(cw,4,1),work(cw,10,1),work(cw,6,1),work(cw,3,1)
,[],]
[mapreduce(cw,cw),data(8),data(7),data(5),data(1),data(2)
,work(cw,4,1),work(cw,2,1),work(cw,1,1),work(cw,3,1),
work(cw,5,1),work(cw,9,1),work(cw,4,1),work(cw,10,1),
work(cw,6,1),work(cw,3,1),[]]
[mapreduce(cw,cw),data(8),data(5),data(1),data(2),work(cw
,3,2),work(cw,4,2),work(cw,7,1),work(cw,2,1),work(cw
,1,1),work(cw,5,1),work(cw,9,1),work(cw,10,1),work(cw
,6,1),[]]
[mapreduce(cw,cw),work(cw,5,1),work(cw,8,1),work(cw,1,1),
work(cw,2,1),work(cw,3,2),work(cw,4,2),work(cw,7,1),
work(cw,2,1),work(cw,1,1),work(cw,5,1),work(cw,9,1),
work(cw,10,1),work(cw,6,1),[]]
[mapreduce(cw,cw),work(cw,2,2),work(cw,1,2),work(cw,5,2),
work(cw,8,1),work(cw,3,2),work(cw,4,2),work(cw,7,1),
work(cw,9,1),work(cw,10,1),work(cw,6,1),[]]
[mapreduce(cw,cw),work(cw,2,2),work(cw,1,2),work(cw,5,2),
work(cw,8,1),work(cw,3,2),work(cw,4,2),work(cw,7,1),
work(cw,9,1),work(cw,10,1),work(cw,6,1),[]]

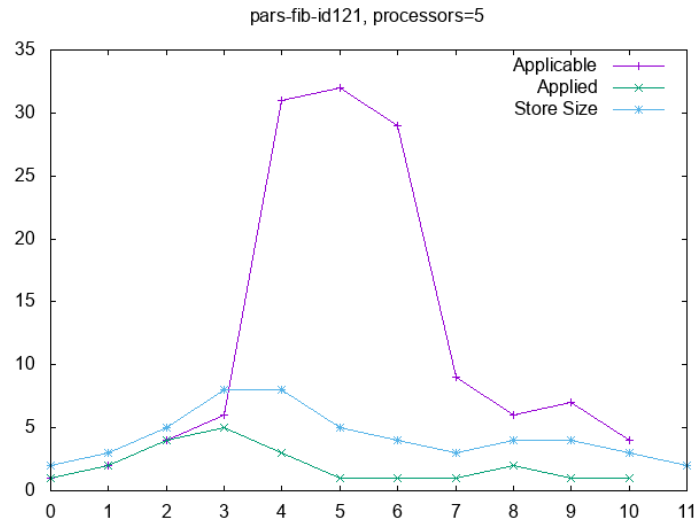
```



```

Store = Query = [ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 11 , neg ( 1 ) ) , eq ( 41 ,
    and ( 4 , 1 ) ) , eq ( 24 , or ( 2 , 4 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 23 , or ( 2 , 3 )
    ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v
    ( 1 ) ) , [ ] ]
[ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 11 , neg ( 1 ) ) , eq ( 41 , and ( 4 , 1 ) ) , eq ( 24 , or
    ( 2 , 4 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 23 , or ( 2 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 ,
    v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 2 , 3 , 4 , 5 ] , [ false ( 1 ) ] ) , f ([ 2 , 3 , 4 , 5 ] , [ true ( 1 ) ] ) , eq ( 11 , neg
    ( 1 ) ) , eq ( 41 , and ( 4 , 1 ) ) , eq ( 24 , or ( 2 , 4 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq
    ( 23 , or ( 2 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v
    ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 3 , 4 , 5 ] , [ false ( 2 ) , true ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) , true ( 1 )
    ] ) , f ([ 3 , 4 , 5 ] , [ false ( 2 ) , false ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) ,
    false ( 1 ) ] ) , eq ( 11 , neg ( 1 ) ) , eq ( 41 , and ( 4 , 1 ) ) , eq ( 24 , or ( 2 , 4 )
    ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 23 , or ( 2 , 3 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 )
    ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) ,
    true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , false ( 1 )
    ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , false ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false
    ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , true ( 1 )
    ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true
    ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , eq ( 11 , neg ( 1 ) ) , eq ( 41 , and ( 4 , 1 ) ) ,
    eq ( 24 , or ( 2 , 4 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 23 , or ( 2 , 3 ) ) , eq ( 5 , v
    ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
... (line too long)
... (line too long)
... (line too long)

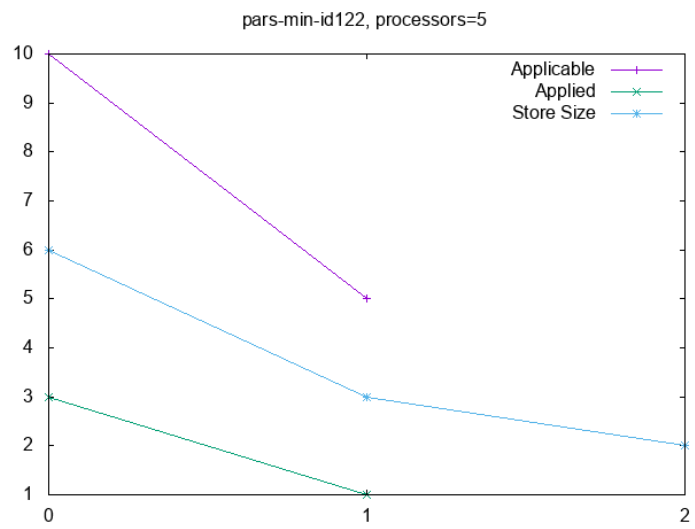
```



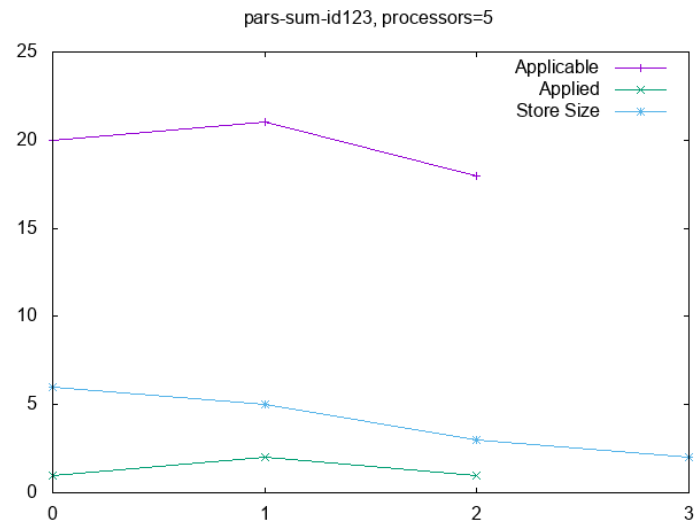
```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (1) , fib (2) , fib (2) , fib (3) , [] ]
[ sum (1) , fib (0) , fib (1) , fib (0) , fib (1) , fib (1) , fib (2) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (2) , [] ]
[ sum (2) , sum (2) , sum (2) , fib (2) , [] ]
[ sum (4) , sum (2) , fib (2) , [] ]
[ sum (6) , fib (2) , [] ]
[ sum (6) , fib (2) , [] ]
[ sum (6) , fib (2) , [] ]
[ sum (6) , fib (2) , [] ]
[ sum (6) , fib (0) , fib (1) , [] ]
[ sum (1) , sum (1) , sum (6) , [] ]
[ sum (7) , sum (1) , [] ]
[ sum (8) , [] ]

```



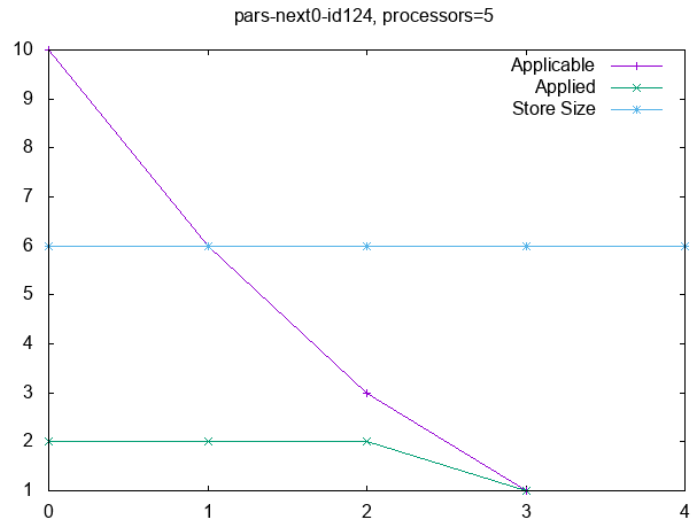
Store = Query = [min(1) ,min(3) ,min(4) ,min(2) ,min(5) ,[]]
 [min(1) ,min(3) ,min(4) ,min(2) ,min(5) ,[]]
 [min(1) ,min(2) ,[]]
 [min(1) ,[]]



```

Store = Query = [sum(5),sum(2),sum(4),sum(3),sum(1),[]]
[sum(5),sum(2),sum(4),sum(3),sum(1),[]]
[sum(4),sum(5),sum(2),sum(4),[]]
[sum(6),sum(9),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]

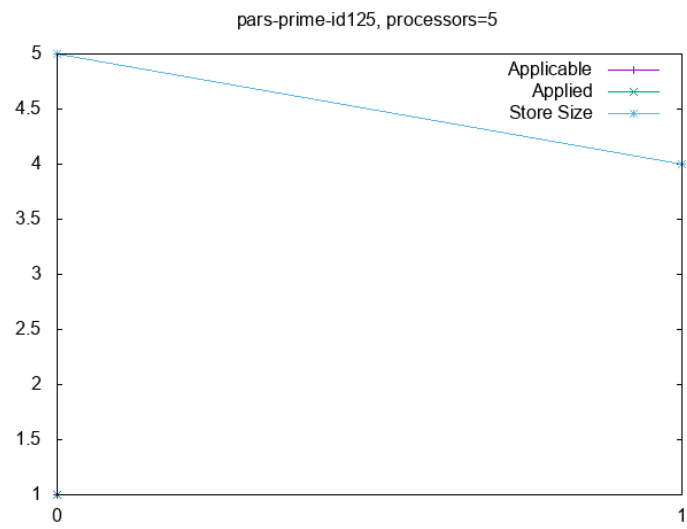
```



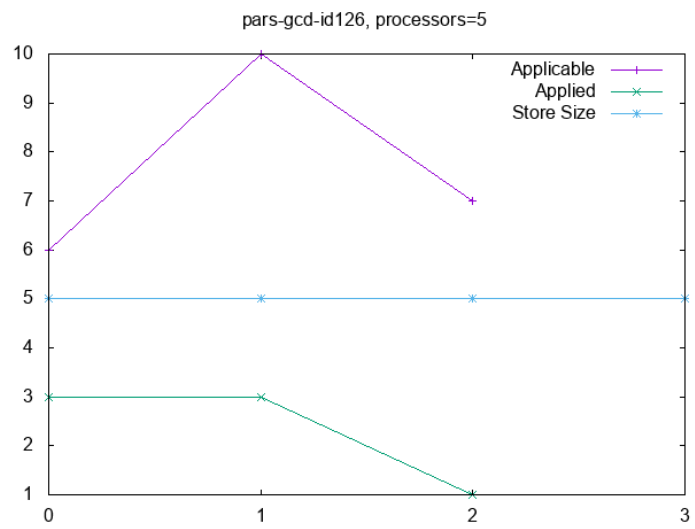
```

Store = Query = [next(0,4),next(0,5),next(0,3),next(0,2),
                  next(0,1),[]]
[next(0,4),next(0,5),next(0,3),next(0,2),next(0,1),[]]
[next(2,3),next(2,5),next(0,4),next(0,2),next(0,1),[]]
[next(2,4),next(1,2),next(2,3),next(2,5),next(0,1),[]]
[next(3,4),next(3,5),next(1,2),next(2,3),next(0,1),[]]
[next(4,5),next(3,4),next(1,2),next(2,3),next(0,1),[]]

```



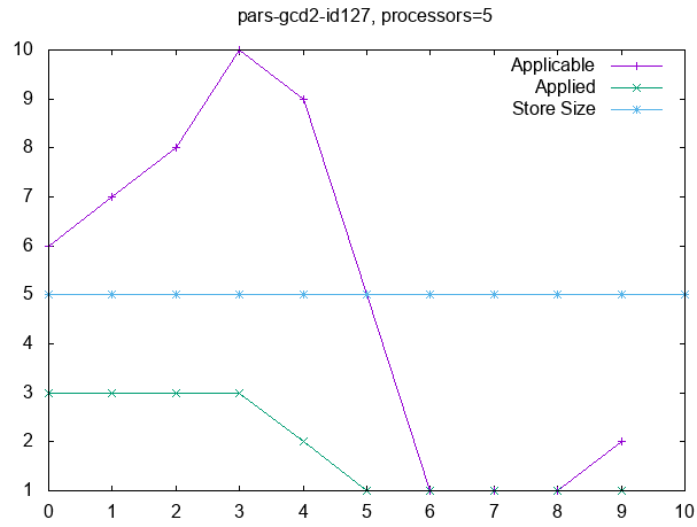
```
Store = Query = [prime(4),prime(5),prime(2),prime(3),[]]
[prime(4),prime(5),prime(2),prime(3),[]]
[prime(5),prime(2),prime(3),[]]
```

```

Store = Query = [gcd(3),gcd(5),gcd(4),gcd(2),[]]
[gcd(3),gcd(5),gcd(4),gcd(2),[]]
[gcd(1),gcd(1),gcd(1),gcd(2),[]]
[gcd(0),gcd(1),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

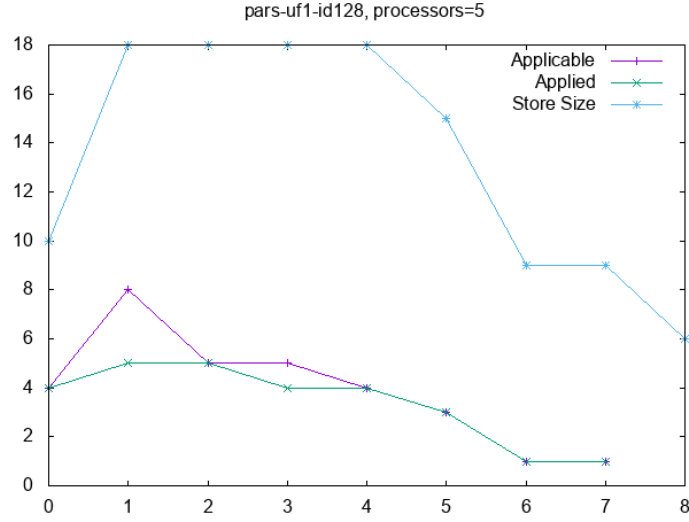
```



```

Store = Query = [gcd(16),gcd(5),gcd(11),gcd(7),[]]
[gcd(16),gcd(5),gcd(11),gcd(7),[]]
[gcd(6),gcd(2),gcd(11),gcd(5),[]]
[gcd(9),gcd(3),gcd(4),gcd(2),[]]
[gcd(1),gcd(1),gcd(7),gcd(2),[]]
[gcd(6),gcd(1),gcd(0),gcd(1),[]]
[gcd(0),gcd(5),gcd(0),gcd(1),[]]
[gcd(4),gcd(0),gcd(0),gcd(1),[]]
[gcd(3),gcd(0),gcd(0),gcd(1),[]]
[gcd(2),gcd(0),gcd(0),gcd(1),[]]
[gcd(1),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

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```

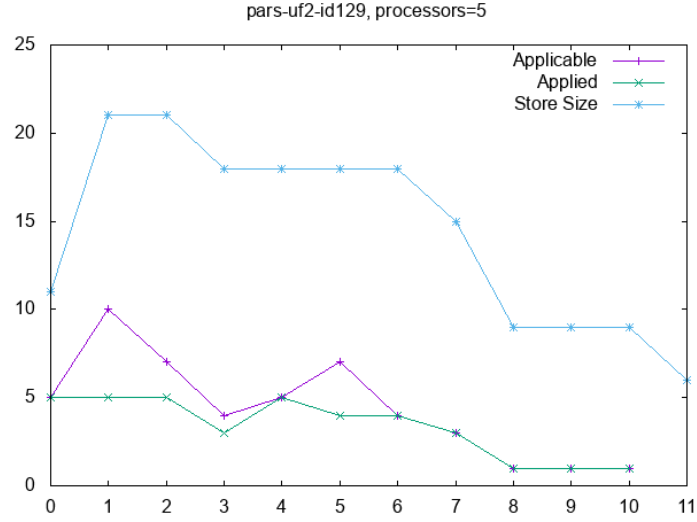
Store = Query = [ union (5,2) , union (3,5) , union (1,3) , union
                  (4,1) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (5,2) , union (3,5) , union (1,3) , union (4,1) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (3, _2139802) , find (1, _76366) , find (5, _2139826) , find (3,
  _2139838) , find (2, _2139850) , find (5, _2139862) , find (1,
  _2139874) , find (4, _2139886) , link (_76366, _2139802) , link (
  _2139838, _2139826) , link (_2139862, _2139850) , link (
  _2139886, _2139874) , root (5) , root (4) , root (3) , root (2) ,
  root (1) , [] ]
[ find (3, _2139802) , find (1, _76366) , find (4, _2139886) , link (
  _76366, _2139802) , link (_2139838, _2139826) , link (_2139862
  , _2139850) , link (_2139886, _2139874) , root (5) , root (4) ,
  root (3) , root (2) , root (1) , found (1, _2139874) , found (5,
  _2139862) , found (2, _2139850) , found (3, _2139838) , found (5,
  _2139826) , [] ]
[ link (_76366, _2139802) , link (_2139838, _2139826) , link (
  _2139862, _2139850) , link (_2139886, _2139874) , point (2, 5) ,
  point (5, 3) , root (4) , root (3) , root (1) , found (1, _76366) ,
  found (3, _2139802) , found (4, _2139886) , found (1, _2139874) ,
  found (5, _2139862) , found (2, _2139850) , found (3, _2139838) ,
  found (5, _2139826) , [] ]
[ link (_76366, _2139802) , link (_2139838, _2139826) , link (
  _2139862, _2139850) , link (_2139886, _2139874) , point (1, 4) ,
  point (2, 5) , point (5, 3) , root (4) , root (3) , found (3, _2139826
  ) , found (5, _2139850) , found (3, _2139862) , found (1, _76366) ,
  found (3, _2139802) , found (4, _2139886) , found (1, _2139874) ,
  found (3, _2139838) , [] ]
[ link (_76366, _2139802) , link (_2139862, _2139850) , link (
  _2139886, _2139874) , point (1, 4) , point (2, 5) , point (5, 3) ,
  root (4) , root (3) , found (4, _76366) , found (4, _2139874) ,

```

```

        found(3,_2139850),found(3,_2139862),found(3,_2139802),
        found(4,_2139886),[]]
[link(_76366,_2139802),point(3,4),point(1,4),point(2,5),
  point(5,3),root(4),found(4,_76366),found(3,_2139802)
  ,[]]
[link(_76366,_2139802),point(3,4),point(1,4),point(2,5),
  point(5,3),root(4),found(4,_2139802),found(4,_76366)
  ,[]]
[point(3,4),point(1,4),point(2,5),point(5,3),root(4),[]]

```



```

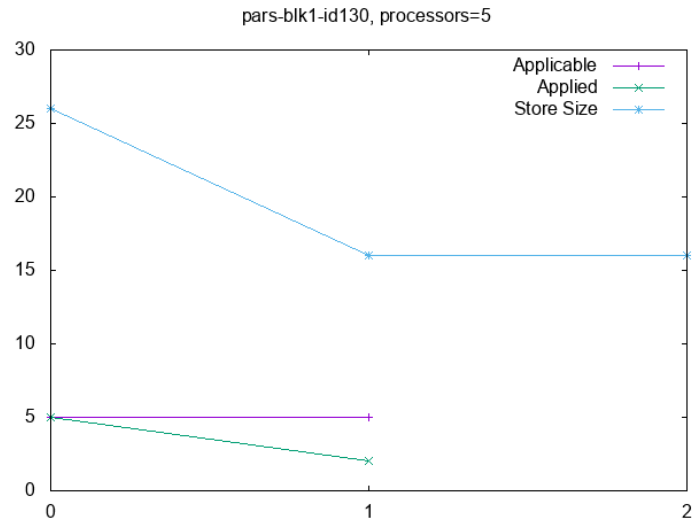
Store = Query = [ union (3,3) , union (2,3) , union (1,2) , union
                  (5,1) , union (4,5) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (3,3) , union (2,3) , union (1,2) , union (5,1) , union (4,5) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
... (line too long)
... (line too long)
[ find (4, _2141588) , link (_2141492, _2141480) , link (_2141516 ,
  _2141504) , link (_2141540, _2141528) , link (_2141588 ,
  _2141576) , root (5) , root (4) , root (3) , root (2) , root (1) ,
  found (1, _2141516) , found (2, _2141504) , found (5, _2141492) ,
  found (1, _2141480) , found (5, _2141576) , found (2, _2141540) ,
  found (3, _2141528) , [] ]
[ link (_2141492, _2141480) , link (_2141516, _2141504) , link (
  _2141540, _2141528) , link (_2141588, _2141576) , point (2,1) ,
  point (1,5) , root (5) , root (4) , root (3) , found (4, _2141588) ,
  found (1, _2141516) , found (2, _2141504) , found (5, _2141492) ,
  found (1, _2141480) , found (5, _2141576) , found (2, _2141540) ,
  found (3, _2141528) , [] ]
[ link (_2141492, _2141480) , link (_2141516, _2141504) , link (
  _2141540, _2141528) , link (_2141588, _2141576) , point (5,4) ,
  point (2,1) , point (1,5) , root (4) , root (3) , found (5, _2141480) ,
  found (1, _2141504) , found (1, _2141540) , found (5, _2141516) ,
  found (4, _2141588) , found (5, _2141492) , found (5, _2141576) ,
  found (3, _2141528) , [] ]
[ link (_2141492, _2141480) , link (_2141516, _2141504) , link (
  _2141540, _2141528) , link (_2141588, _2141576) , point (5,4) ,
  point (2,1) , point (1,5) , root (4) , root (3) , found (5, _2141504) ,
  found (4, _2141516) , found (4, _2141492) , found (4, _2141576) ,
  found (5, _2141480) , found (1, _2141540) , found (4, _2141588) ,
  found (3, _2141528) , [] ]

```

```

[ link ( _2141492 , _2141480 ) , link ( _2141516 , _2141504 ) , link (
    _2141540 , _2141528 ) , point ( 5 , 4 ) , point ( 2 , 1 ) , point ( 1 , 5 ) ,
    root ( 4 ) , root ( 3 ) , found ( 4 , _2141504 ) , found ( 4 , _2141480 ) ,
    found ( 5 , _2141540 ) , found ( 4 , _2141516 ) , found ( 4 , _2141492 ) ,
    found ( 3 , _2141528 ) , [] ]
[ link ( _2141540 , _2141528 ) , point ( 5 , 4 ) , point ( 2 , 1 ) , point ( 1 , 5 )
    , root ( 4 ) , root ( 3 ) , found ( 4 , _2141540 ) , found ( 3 , _2141528 )
    , [] ]
[ link ( _2141540 , _2141528 ) , point ( 3 , 4 ) , point ( 5 , 4 ) , point ( 2 , 1 )
    , point ( 1 , 5 ) , root ( 4 ) , found ( 4 , _2141540 ) , found ( 3 , _2141528
    ) , [] ]
[ link ( _2141540 , _2141528 ) , point ( 3 , 4 ) , point ( 5 , 4 ) , point ( 2 , 1 )
    , point ( 1 , 5 ) , root ( 4 ) , found ( 4 , _2141528 ) , found ( 4 , _2141540
    ) , [] ]
[ point ( 3 , 4 ) , point ( 5 , 4 ) , point ( 2 , 1 ) , point ( 1 , 5 ) , root ( 4 ) , [] ]

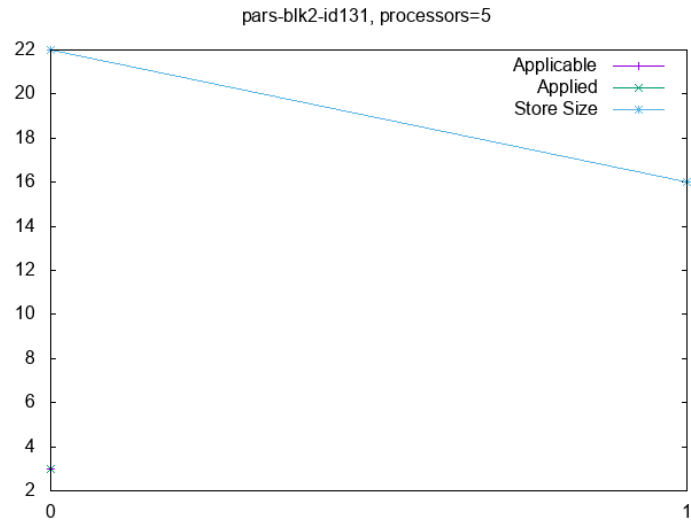
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
(2,102),grab(1,101),empty(5),empty(4),empty(3),empty
(2),empty(1),clear(105),clear(104),clear(103),clear
(102),clear(101),on(105,5),on(104,4),on(103,3),on
(102,2),on(101,1),put(2,5),put(5,2),put(4,5),put(2,4),
put(3,2),[]]
... (line too long)
[clear(2),clear(3),clear(4),clear(5),clear(1),put(2,5),
put(5,2),put(4,5),put(2,4),put(3,2),hold(2,102),hold
(3,103),hold(4,104),hold(5,105),hold(1,101),[]]
[empty(2),empty(5),clear(102),clear(105),clear(3),clear
(4),clear(1),on(102,5),on(105,2),put(4,5),put(2,4),put
(3,2),hold(3,103),hold(4,104),hold(1,101),[]]

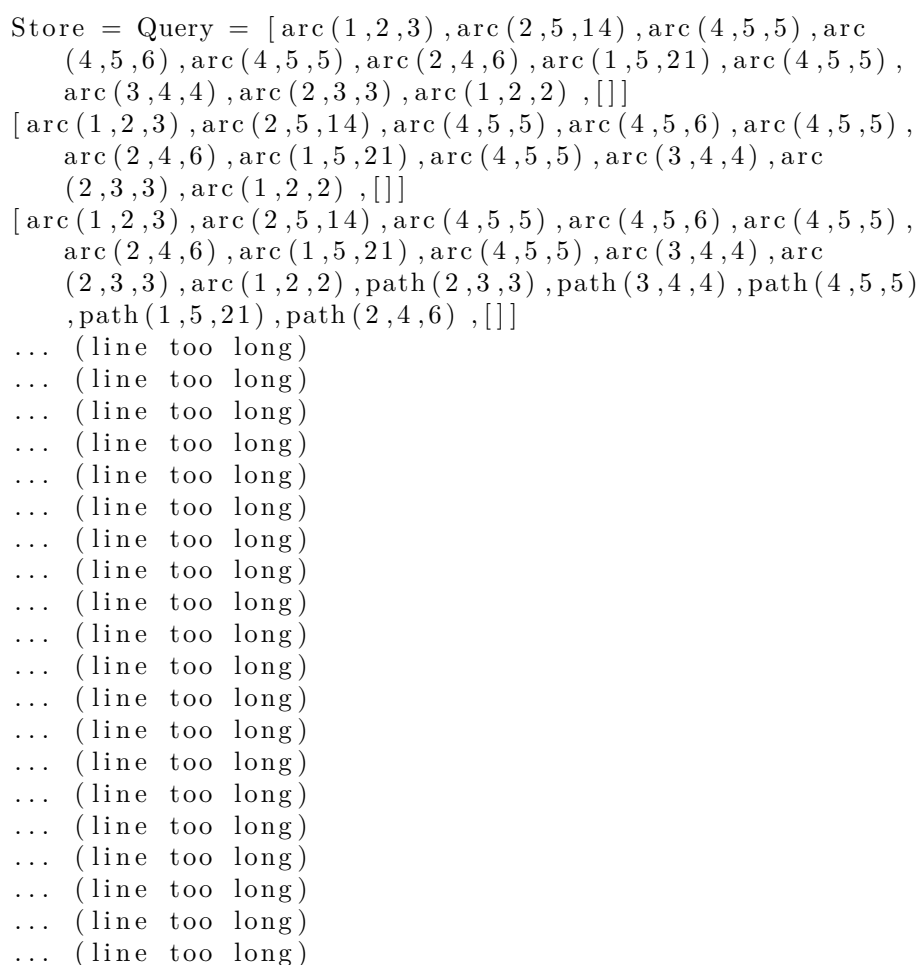
```

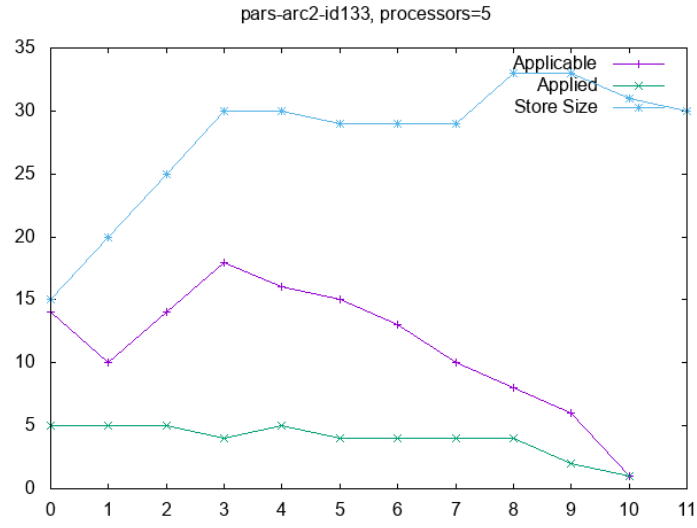


```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(3,3),put(1,3),put(1,1),put(5,1),put(4,5),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(4),clear(6),
  clear(2),put(3,3),put(1,3),put(1,1),put(5,1),put(4,5),
  hold(3,3),hold(5,5),hold(1,1),[]]

```

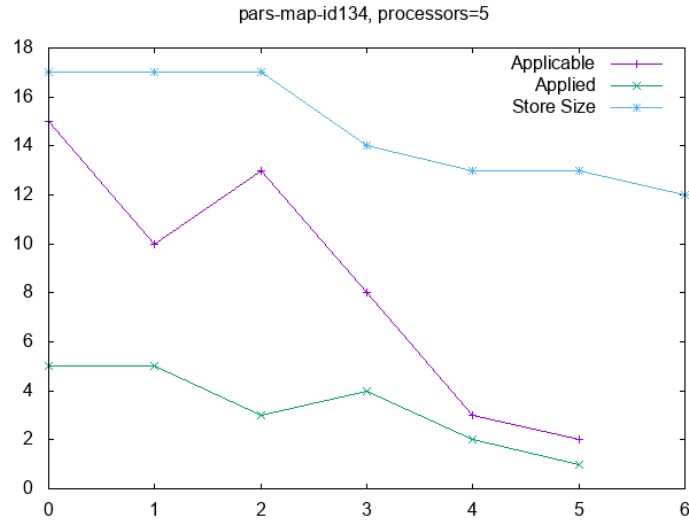





```

Store = Query = [ arc(2,5,14), arc(1,5,17), arc(1,4,13), arc
(3,4,4), arc(5,9,25), arc(4,9,34), arc(3,9,45), arc
(2,9,58), arc(1,9,73), arc(0,5,25), arc(0,4,16), arc
(0,3,9), arc(0,2,4), arc(0,1,1), [] ]
[ arc(2,5,14), arc(1,5,17), arc(1,4,13), arc(3,4,4), arc
(5,9,25), arc(4,9,34), arc(3,9,45), arc(2,9,58), arc
(1,9,73), arc(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4)
, arc(0,1,1), [] ]
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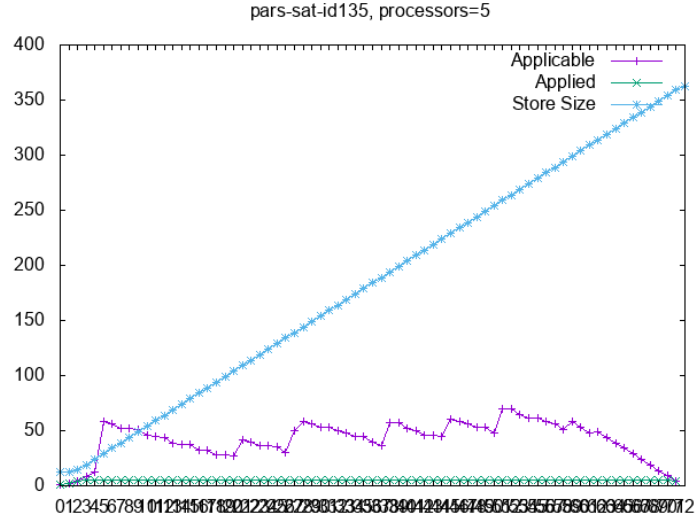
```



```

Store = Query = [mapreduce(cw,cw),data(8),data(7),data(3)
, data(2),data(1),data(6),data(5),data(4),data(3),data
(4),data(10),data(2),data(1),data(5),data(9),[]]
[mapreduce(cw,cw),data(8),data(7),data(3),data(2),data(1)
,data(6),data(5),data(4),data(3),data(4),data(10),data
(2),data(1),data(5),data(9),[]]
[mapreduce(cw,cw),data(8),data(7),data(3),data(6),data(3)
,data(4),data(2),data(1),data(5),data(9),work(cw,5,1),
work(cw,1,1),work(cw,2,1),work(cw,10,1),work(cw,4,1)
,[]]
[mapreduce(cw,cw),data(8),data(7),data(3),data(3),data(9)
,work(cw,4,1),work(cw,5,1),work(cw,6,1),work(cw,1,1),
work(cw,2,1),work(cw,5,1),work(cw,1,1),work(cw,2,1),
work(cw,10,1),work(cw,4,1),[]]
[mapreduce(cw,cw),data(8),data(7),data(3),data(3),data(9)
,work(cw,2,2),work(cw,1,2),work(cw,5,2),work(cw,4,1),
work(cw,6,1),work(cw,10,1),work(cw,4,1),[]]
[mapreduce(cw,cw),data(3),data(9),work(cw,4,2),work(cw
,3,1),work(cw,7,1),work(cw,8,1),work(cw,2,2),work(cw
,1,2),work(cw,5,2),work(cw,6,1),work(cw,10,1),[]]
[mapreduce(cw,cw),work(cw,3,1),work(cw,9,1),work(cw,4,2),
work(cw,3,1),work(cw,7,1),work(cw,8,1),work(cw,2,2),
work(cw,1,2),work(cw,5,2),work(cw,6,1),work(cw,10,1)
,[]]
[mapreduce(cw,cw),work(cw,3,2),work(cw,9,1),work(cw,4,2),
work(cw,7,1),work(cw,8,1),work(cw,2,2),work(cw,1,2),
work(cw,5,2),work(cw,6,1),work(cw,10,1),[]]

```

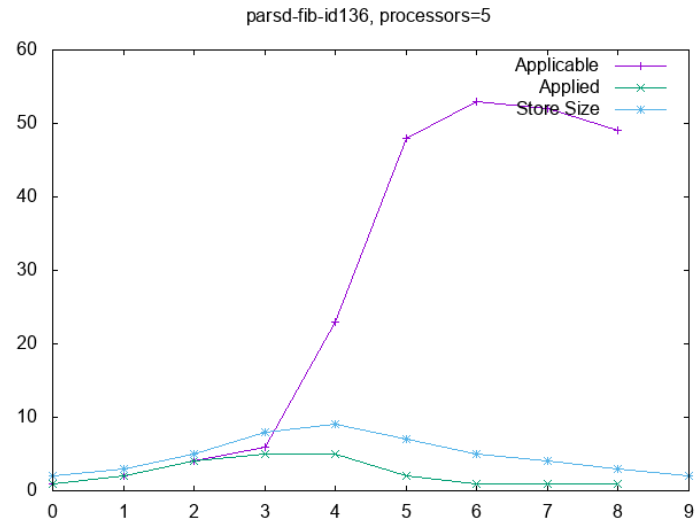


```

Store = Query = [ f([1,2,3,4,5],[ ]),eq(13,or(1,3)),eq(41,
    and(4,1)),eq(14,or(1,4)),eq(51,and(5,1)),eq(35,or(3,5)
    ),eq(5,v(5)),eq(4,v(4)),eq(3,v(3)),eq(2,v(2)),eq(1,v
    (1)),[ ]
[ f([1,2,3,4,5],[ ]),eq(13,or(1,3)),eq(41,and(4,1)),eq(14,
    or(1,4)),eq(51,and(5,1)),eq(35,or(3,5)),eq(5,v(5)),eq
    (4,v(4)),eq(3,v(3)),eq(2,v(2)),eq(1,v(1)),[ ]
[ f([2,3,4,5],[ false(1) ]),f([2,3,4,5],[ true(1) ]),eq(13,or
    (1,3)),eq(41,and(4,1)),eq(14,or(1,4)),eq(51,and(5,1)),
    eq(35,or(3,5)),eq(5,v(5)),eq(4,v(4)),eq(3,v(3)),eq(2,v
    (2)),eq(1,v(1)),[ ]
[ f([3,4,5],[ false(2),false(1) ]),f([3,4,5],[ true(2),false
    (1) ]),f([3,4,5],[ false(2),true(1) ]),f([3,4,5],[ true(2)
    ,true(1) ]),eq(13,or(1,3)),eq(41,and(4,1)),eq(14,or
    (1,4)),eq(51,and(5,1)),eq(35,or(3,5)),eq(5,v(5)),eq(4,
    v(4)),eq(3,v(3)),eq(2,v(2)),eq(1,v(1)),[ ]
[ f([4,5],[ false(3),false(2),true(1) ]),f([4,5],[ true(3),
    false(2),true(1) ]),f([4,5],[ false(3),true(2),false(1)
    ]),f([4,5],[ true(3),true(2),false(1) ]),f([4,5],[ false
    (3),false(2),false(1) ]),f([4,5],[ true(3),false(2),
    false(1) ]),f([4,5],[ false(3),true(2),true(1) ]),f
    ([4,5],[ true(3),true(2),true(1) ]),eq(13,or(1,3)),eq
    (41,and(4,1)),eq(14,or(1,4)),eq(51,and(5,1)),eq(35,or
    (3,5)),eq(5,v(5)),eq(4,v(4)),eq(3,v(3)),eq(2,v(2)),eq
    (1,v(1)),[ ]
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```

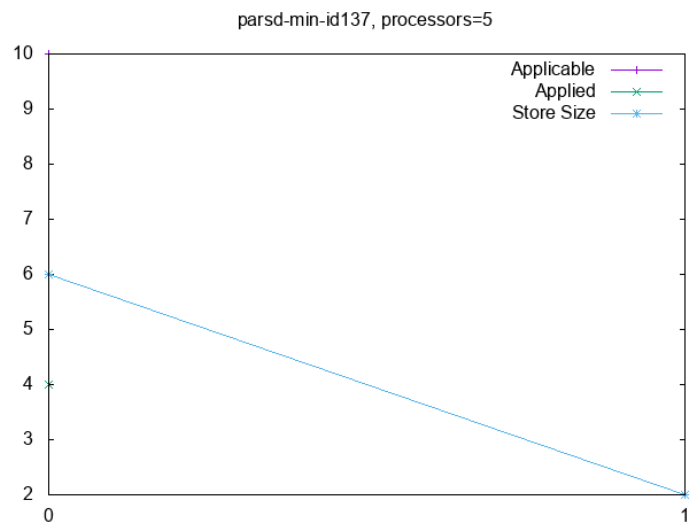

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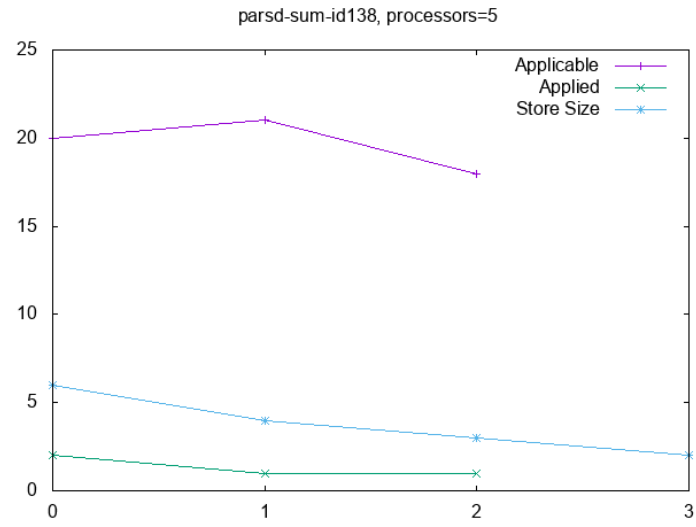
```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (2) , fib (3) , fib (1) , fib (2) , [] ]
[ sum (1) , fib (0) , fib (1) , fib (0) , fib (1) , fib (1) , fib (2) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (0) , fib (1) , fib (1)
  , [] ]
[ sum (2) , sum (1) , sum (1) , sum (1) , sum (2) , sum (1) , [] ]
[ sum (3) , sum (2) , sum (2) , sum (1) , [] ]
[ sum (4) , sum (3) , sum (1) , [] ]
[ sum (7) , sum (1) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]

```



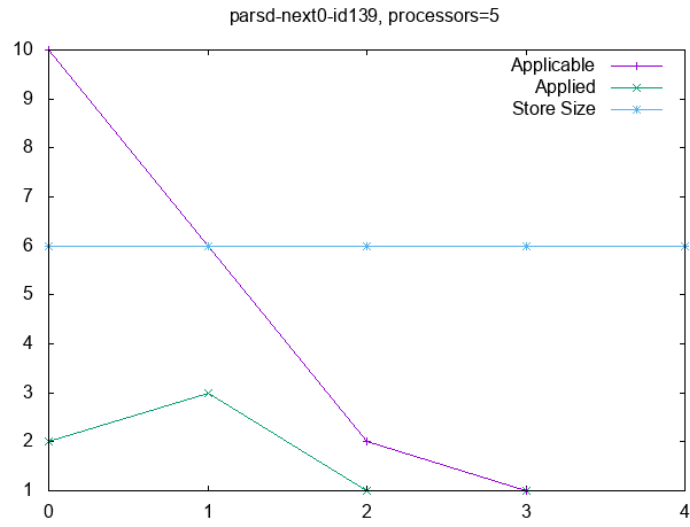
```
Store = Query = [min(1) ,min(5) ,min(2) ,min(4) ,min(3) ,[]]
[min(1) ,min(5) ,min(2) ,min(4) ,min(3) ,[]]
[min(1) ,[]]
[min(1) ,[]]
```

```

Store = Query = [sum(3),sum(4),sum(2),sum(5),sum(1),[]]
[sum(3),sum(4),sum(2),sum(5),sum(1),[]]
[sum(6),sum(5),sum(4),[]]
[sum(9),sum(6),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]

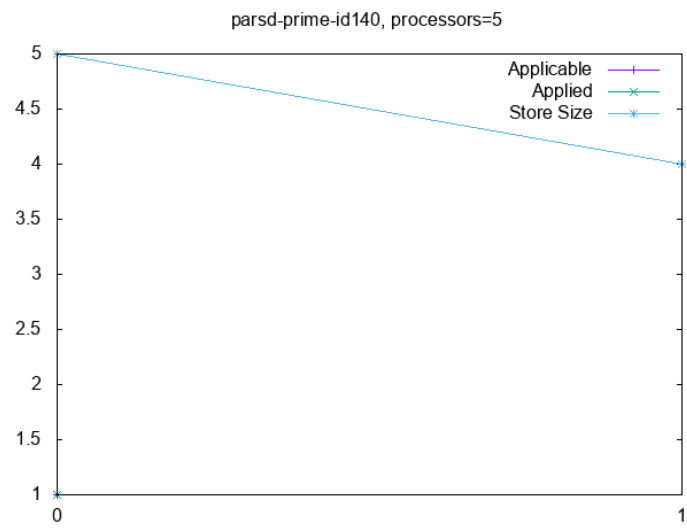
```



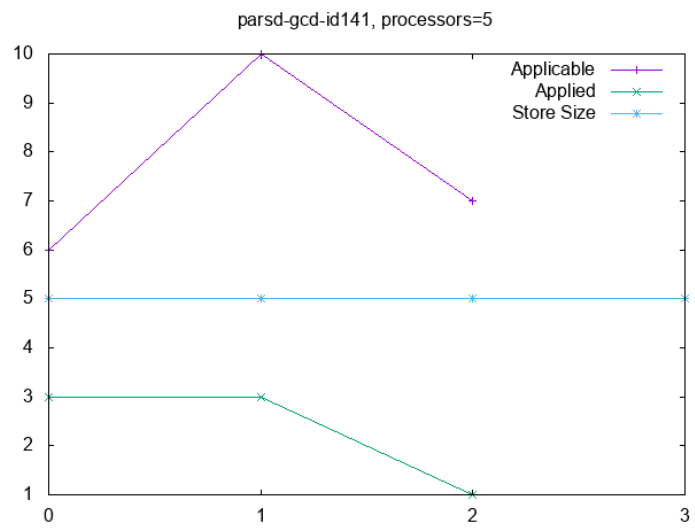
```

Store = Query = [ next(0,4) , next(0,1) , next(0,5) , next(0,2) ,
                  next(0,3) , [] ]
[ next(0,4) , next(0,1) , next(0,5) , next(0,2) , next(0,3) , [] ]
[ next(2,3) , next(2,4) , next(0,1) , next(0,5) , next(0,2) , [] ]
[ next(3,4) , next(2,5) , next(1,2) , next(2,3) , next(0,1) , [] ]
[ next(3,5) , next(3,4) , next(1,2) , next(2,3) , next(0,1) , [] ]
[ next(4,5) , next(3,4) , next(1,2) , next(2,3) , next(0,1) , [] ]

```



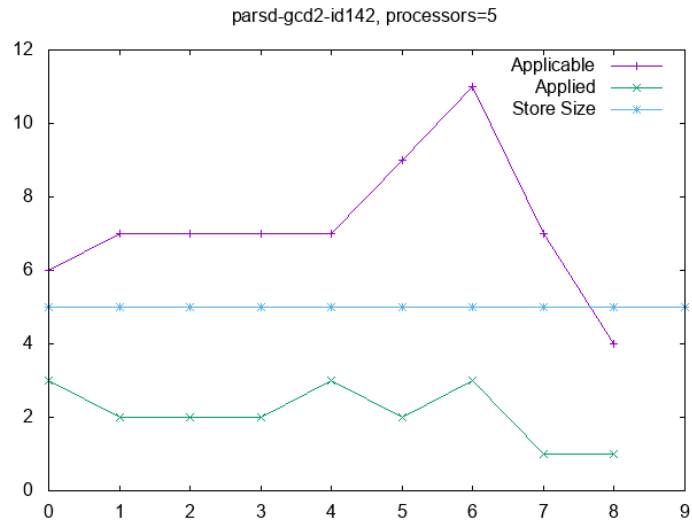
```
Store = Query = [prime(2),prime(5),prime(4),prime(3),[]]
[prime(2),prime(5),prime(4),prime(3),[]]
[prime(2),prime(5),prime(3),[]]
```



```

Store = Query = [gcd(2),gcd(4),gcd(5),gcd(3),[]]
[gcd(2),gcd(4),gcd(5),gcd(3),[]]
[gcd(2),gcd(1),gcd(2),gcd(2),[]]
[gcd(0),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

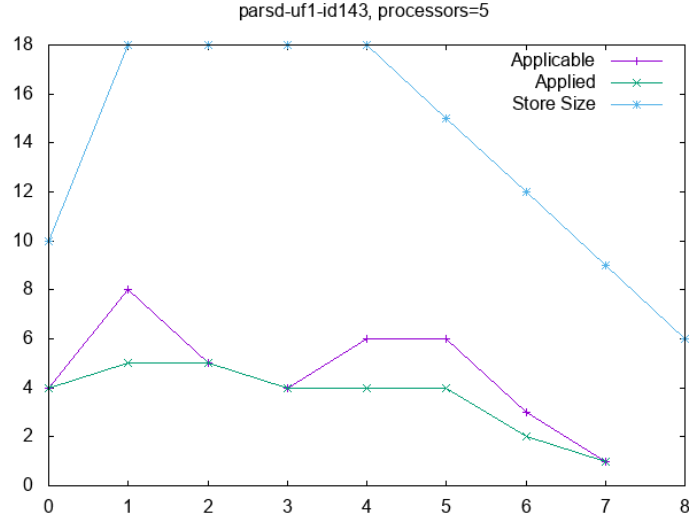
```



```

Store = Query = [gcd(16),gcd(7),gcd(11),gcd(5),[]]
[gcd(16),gcd(7),gcd(11),gcd(5),[]]
[gcd(6),gcd(11),gcd(2),gcd(5),[]]
[gcd(3),gcd(4),gcd(11),gcd(2),[]]
[gcd(7),gcd(1),gcd(4),gcd(2),[]]
[gcd(3),gcd(5),gcd(1),gcd(2),[]]
[gcd(4),gcd(1),gcd(2),gcd(1),[]]
[gcd(1),gcd(3),gcd(1),gcd(1),[]]
[gcd(2),gcd(0),gcd(0),gcd(1),[]]
[gcd(1),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

```



```

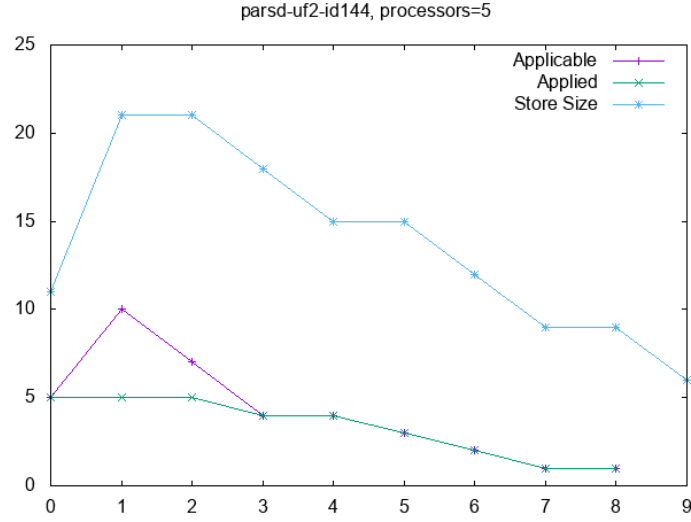
Store = Query = [ union(4,2), union(1,4), union(5,1), union
    (3,5), root(5), root(4), root(3), root(2), root(1), [] ]
[ union(4,2), union(1,4), union(5,1), union(3,5), root(5), root
    (4), root(3), root(2), root(1), [] ]
[ find(5, _2982850), find(3, _2982862), find(2, _2982874), find
    (4, _2982886), find(4, _2982898), find(1, _2982910), find(1,
    _2982922), find(5, _2982934), link(_2982862, _2982850),
    link(_2982886, _2982874), link(_2982910, _2982898), link(
    _2982934, _2982922), root(5), root(4), root(3), root(2),
    root(1), [] ]
[ find(4, _2982898), find(1, _2982910), find(1, _2982922), link(
    _2982862, _2982850), link(_2982886, _2982874), link(
    _2982910, _2982898), link(_2982934, _2982922), root(5),
    root(4), root(3), root(2), root(1), found(5, _2982934),
    found(5, _2982850), found(3, _2982862), found(2, _2982874),
    found(4, _2982886), [] ]
[ link(_2982862, _2982850), link(_2982886, _2982874), link(
    _2982910, _2982898), link(_2982934, _2982922), point(2,4),
    point(5,3), root(4), root(3), root(1), found(1, _2982922),
    found(1, _2982910), found(4, _2982898), found(5, _2982934),
    found(5, _2982850), found(3, _2982862), found(2, _2982874),
    found(4, _2982886), [] ]
[ link(_2982862, _2982850), link(_2982886, _2982874), link(
    _2982910, _2982898), link(_2982934, _2982922), point(4,1),
    point(2,4), point(5,3), root(3), root(1), found(3, _2982934),
    found(4, _2982874), found(3, _2982850), found(1, _2982922),
    found(1, _2982910), found(4, _2982898), found(3, _2982862),
    found(4, _2982886), [] ]
[ link(_2982886, _2982874), link(_2982910, _2982898), link(
    _2982934, _2982922), point(1,3), point(4,1), point(2,4),
    point(5,3), root(3), found(1, _2982874), found(1, _2982886) ]

```

```

    ,found(3,_2982934),found(1,_2982922),found(1,_2982910)
    ,found(4,_2982898),[]]
[link(_2982910,_2982898),link(_2982934,_2982922),point
  (1,3),point(4,1),point(2,4),point(5,3),root(3),found
  (1,_2982898),found(3,_2982910),found(3,_2982922),found
  (3,_2982934),[]]
[link(_2982910,_2982898),point(1,3),point(4,1),point(2,4)
  ,point(5,3),root(3),found(3,_2982898),found(3,_2982910
  ),[]]
[point(1,3),point(4,1),point(2,4),point(5,3),root(3),[]]

```



```

Store = Query = [ union (3,3) , union (5,3) , union (1,5) , union
                  (2,1) , union (2,2) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (3,3) , union (5,3) , union (1,5) , union (2,1) , union (2,2) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
... (line too long)
... (line too long)
[ find (3, _2984614) , link (_2984578, _2984566) , link (_2984626 ,
  _2984614) , link (_2984650, _2984638) , link (_2984674 ,
  _2984662) , root (5) , root (4) , root (3) , root (2) , root (1) ,
  found (1, _2984662) , found (1, _2984650) , found (5, _2984638) ,
  found (5, _2984626) , found (2, _2984674) , found (2, _2984566) ,
  found (2, _2984578) , [] ]
[ link (_2984626, _2984614) , link (_2984650, _2984638) , link (
  _2984674, _2984662) , point (5,1) , point (1,2) , root (4) , root
  (3) , root (2) , found (3, _2984614) , found (1, _2984662) , found
  (1, _2984650) , found (5, _2984638) , found (5, _2984626) , found
  (2, _2984674) , [] ]
[ link (_2984626, _2984614) , link (_2984650, _2984638) , link (
  _2984674, _2984662) , point (5,1) , point (1,2) , root (4) , root
  (3) , root (2) , found (2, _2984662) , found (1, _2984626) , found
  (1, _2984638) , found (2, _2984650) , found (3, _2984614) , found
  (2, _2984674) , [] ]
[ link (_2984626, _2984614) , link (_2984650, _2984638) , point
  (5,1) , point (1,2) , root (4) , root (3) , root (2) , found (2,
  _2984638) , found (2, _2984626) , found (2, _2984650) , found (3,
  _2984614) , [] ]
[ link (_2984626, _2984614) , point (3,2) , point (5,1) , point (1,2)
  , root (4) , root (2) , found (2, _2984626) , found (3, _2984614)
  , [] ]
[ link (_2984626, _2984614) , point (3,2) , point (5,1) , point (1,2)

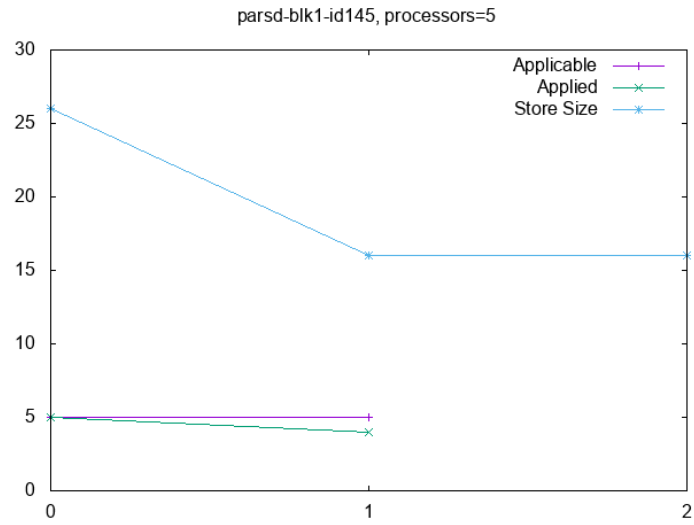
```



```

,root(4),root(2),found(2,__2984614),found(2,__2984626)
,[],
[point(3,2),point(5,1),point(1,2),root(4),root(2),[]]

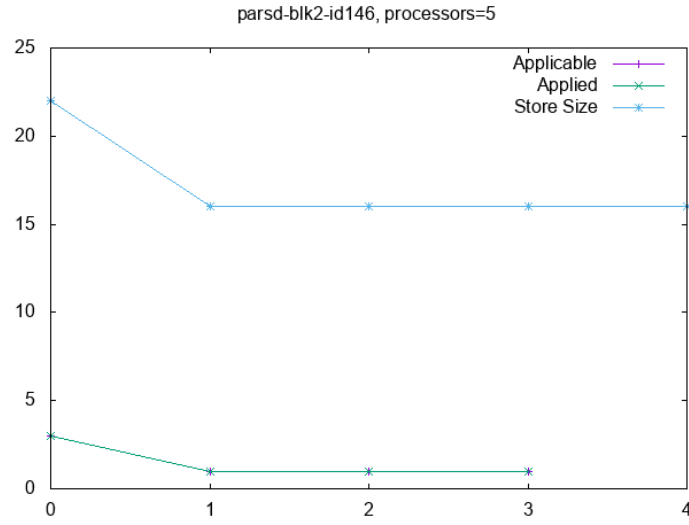
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
(2,102),grab(1,101),empty(5),empty(4),empty(3),empty
(2),empty(1),clear(105),clear(104),clear(103),clear
(102),clear(101),on(105,5),on(104,4),on(103,3),on
(102,2),on(101,1),put(4,5),put(3,4),put(1,3),put(2,1),
put(3,2),[]]
... (line too long)
[clear(1),clear(5),clear(4),clear(3),clear(2),put(4,5),
put(3,4),put(1,3),put(2,1),put(3,2),hold(1,101),hold
(5,105),hold(4,104),hold(3,103),hold(2,102),[]]
[empty(3),empty(2),empty(1),empty(4),clear(103),clear
(102),clear(101),clear(104),clear(4),on(103,2),on
(102,1),on(101,3),on(104,5),put(3,4),hold(5,105),[]]

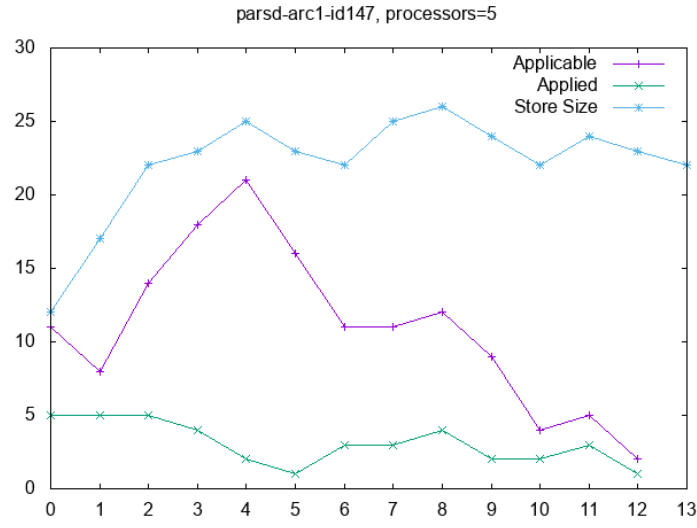
```



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(3,5),put(1,3),put(5,1),put(4,5),put(3,4),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(6),
  clear(4),put(3,5),put(1,3),put(5,1),put(4,5),put(3,4),
  hold(1,1),hold(5,5),hold(3,3),[]]
[grab(4,4),grab(2,2),empty(3),empty(4),empty(2),clear(3),
  clear(2),clear(6),on(3,4),put(3,5),put(1,3),put(5,1),
  put(4,5),hold(1,1),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(1),empty(3),empty(4),empty(2),
  clear(1),clear(2),clear(6),on(1,3),on(3,4),put(3,5),
  put(5,1),put(4,5),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(5),empty(1),empty(3),empty(4),
  empty(2),clear(5),clear(2),clear(6),on(5,1),on(1,3),on
  (3,4),put(3,5),put(4,5),[]]

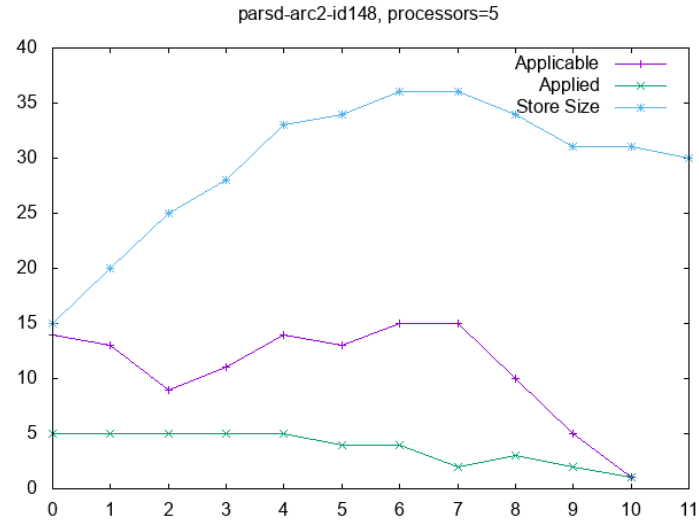
```



```

Store = Query = [arc(1,5,21),arc(3,5,7),arc(1,3,5),arc
  (1,4,13),arc(3,4,4),arc(3,4,5),arc(1,5,21),arc(4,5,5),
  arc(3,4,4),arc(2,3,3),arc(1,2,2),[]]
[arc(1,5,21),arc(3,5,7),arc(1,3,5),arc(1,4,13),arc(3,4,4)
,arc(3,4,5),arc(1,5,21),arc(4,5,5),arc(3,4,4),arc
(2,3,3),arc(1,2,2),[]]
[arc(1,5,21),arc(3,5,7),arc(1,3,5),arc(1,4,13),arc(3,4,4)
,arc(3,4,5),arc(1,5,21),arc(4,5,5),arc(3,4,4),arc
(2,3,3),arc(1,2,2),path(1,2,2),path(1,5,21),path
(3,5,7),path(1,3,5),path(1,4,13),[]]
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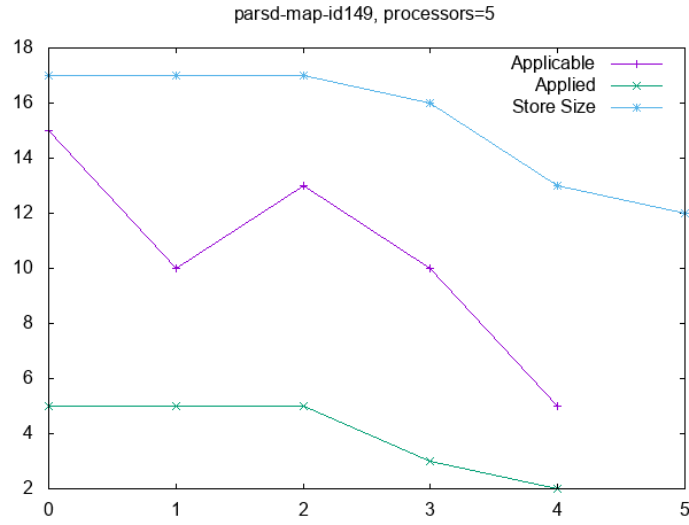
```



```

Store = Query = [ arc(1,4,13), arc(2,4,6), arc(2,5,14), arc
(3,5,7), arc(5,9,25), arc(4,9,34), arc(3,9,45), arc
(2,9,58), arc(1,9,73), arc(0,5,25), arc(0,4,16), arc
(0,3,9), arc(0,2,4), arc(0,1,1), [] ]
[ arc(1,4,13), arc(2,4,6), arc(2,5,14), arc(3,5,7), arc
(5,9,25), arc(4,9,34), arc(3,9,45), arc(2,9,58), arc
(1,9,73), arc(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4)
, arc(0,1,1), [] ]
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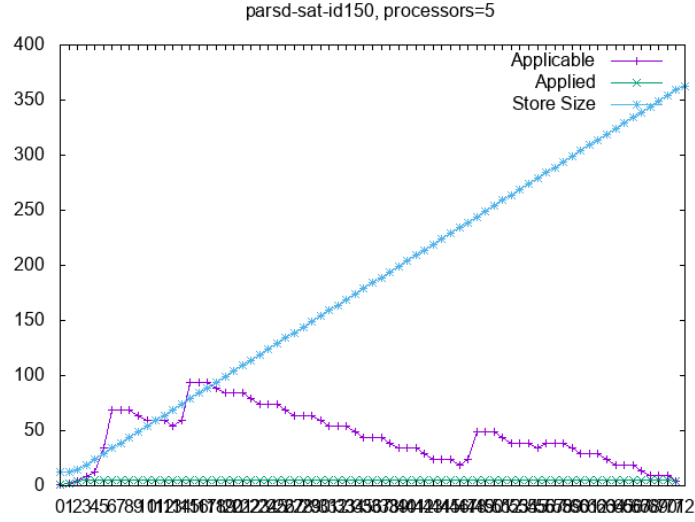
```



```

Store = Query = [mapreduce(cw,cw),data(8),data(5),data(3)
, data(2),data(1),data(4),data(7),data(10),data(6),data
(9),data(5),data(4),data(3),data(2),data(1),[]]
[mapreduce(cw,cw),data(8),data(5),data(3),data(2),data(1)
,data(4),data(7),data(10),data(6),data(9),data(5),data
(4),data(3),data(2),data(1),[]]
[mapreduce(cw,cw),data(4),data(7),data(10),data(6),data
(9),data(5),data(4),data(3),data(2),data(1),work(cw
,1,1),work(cw,8,1),work(cw,5,1),work(cw,3,1),work(cw
,2,1),[]]
[mapreduce(cw,cw),data(7),data(10),data(6),data(9),data
(4),work(cw,1,1),work(cw,2,1),work(cw,3,1),work(cw
,4,1),work(cw,5,1),work(cw,1,1),work(cw,8,1),work(cw
,5,1),work(cw,3,1),work(cw,2,1),[]]
[mapreduce(cw,cw),data(9),work(cw,5,2),work(cw,4,1),work(
cw,7,1),work(cw,10,1),work(cw,6,1),work(cw,1,1),work(
cw,2,1),work(cw,3,1),work(cw,4,1),work(cw,1,1),work(cw
,8,1),work(cw,3,1),work(cw,2,1),[]]
[mapreduce(cw,cw),data(9),work(cw,4,2),work(cw,3,2),work(
cw,2,2),work(cw,5,2),work(cw,7,1),work(cw,10,1),work(
cw,6,1),work(cw,1,1),work(cw,1,1),work(cw,8,1),[]]
[mapreduce(cw,cw),work(cw,9,1),work(cw,1,2),work(cw,4,2),
work(cw,3,2),work(cw,2,2),work(cw,5,2),work(cw,7,1),
work(cw,10,1),work(cw,6,1),work(cw,8,1),[]]

```



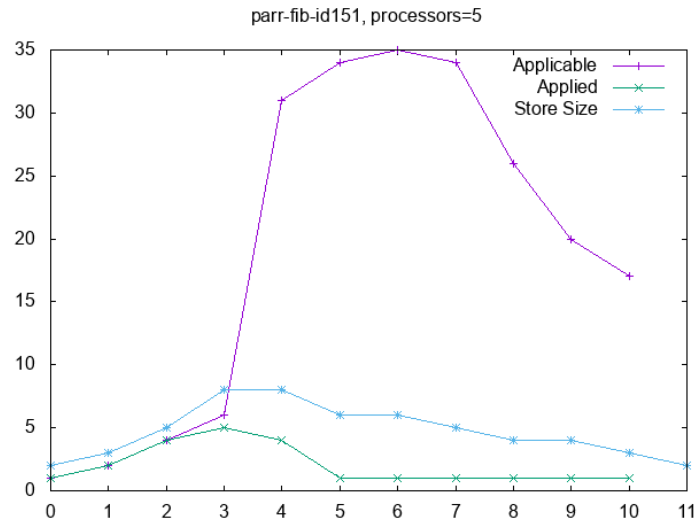
```

Store = Query = [ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 15 , or ( 1 , 5 ) ) , eq ( 41 ,
    and ( 4 , 1 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 45 , or ( 4 , 5 ) ) , eq ( 34 , or ( 3 , 4 )
    ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v
    ( 1 ) ) , [ ] ]
[ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 15 , or ( 1 , 5 ) ) , eq ( 41 , and ( 4 , 1 ) ) , eq ( 54 ,
    and ( 5 , 4 ) ) , eq ( 45 , or ( 4 , 5 ) ) , eq ( 34 , or ( 3 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq
    ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 2 , 3 , 4 , 5 ] , [ false ( 1 ) ] ) , f ([ 2 , 3 , 4 , 5 ] , [ true ( 1 ) ] ) , eq ( 15 , or
    ( 1 , 5 ) ) , eq ( 41 , and ( 4 , 1 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 45 , or ( 4 , 5 ) ) ,
    eq ( 34 , or ( 3 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v
    ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 3 , 4 , 5 ] , [ false ( 2 ) , true ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) , true ( 1 )
    ] ) , f ([ 3 , 4 , 5 ] , [ false ( 2 ) , false ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) ,
    false ( 1 ) ] ) , eq ( 15 , or ( 1 , 5 ) ) , eq ( 41 , and ( 4 , 1 ) ) , eq ( 54 , and
    ( 5 , 4 ) ) , eq ( 45 , or ( 4 , 5 ) ) , eq ( 34 , or ( 3 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v
    ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) ,
    true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , true ( 1 )
    ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ false
    ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , true ( 1 )
    ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true
    ( 3 ) , false ( 2 ) , false ( 1 ) ] ) , eq ( 15 , or ( 1 , 5 ) ) , eq ( 41 , and ( 4 , 1 ) )
    , eq ( 54 , and ( 5 , 4 ) ) , eq ( 45 , or ( 4 , 5 ) ) , eq ( 34 , or ( 3 , 4 ) ) , eq ( 5 , v
    ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
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```

[illegible]

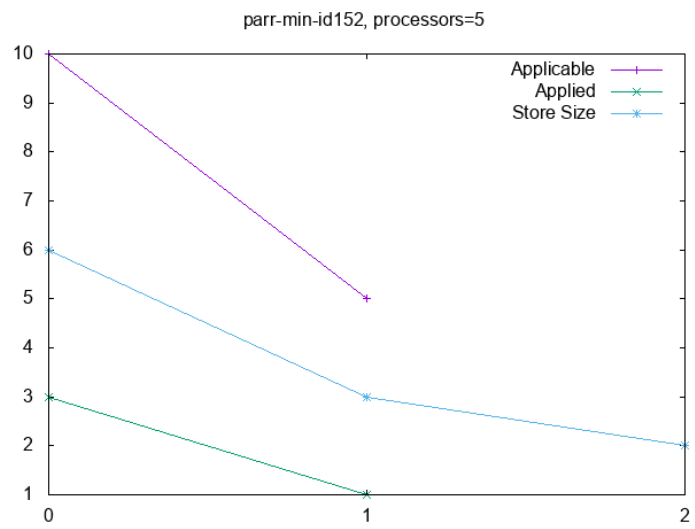
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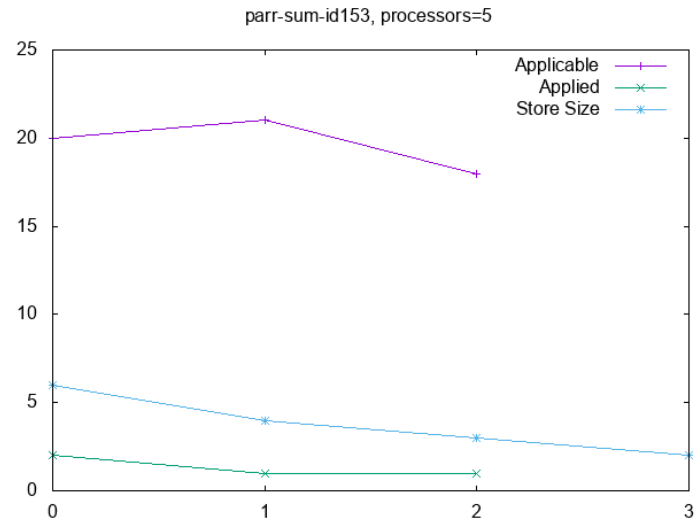
```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (1) , fib (2) , fib (2) , fib (3) , [] ]
[ sum (1) , fib (0) , fib (1) , fib (1) , fib (2) , fib (0) , fib (1) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (2) , [] ]
[ sum (2) , sum (2) , sum (2) , fib (0) , fib (1) , [] ]
[ sum (1) , sum (2) , sum (2) , sum (2) , fib (0) , [] ]
[ sum (3) , sum (2) , sum (2) , fib (0) , [] ]
[ sum (4) , sum (3) , fib (0) , [] ]
[ sum (4) , sum (3) , fib (0) , [] ]
[ sum (1) , sum (4) , sum (3) , [] ]
[ sum (1) , sum (4) , sum (3) , [] ]
[ sum (7) , sum (1) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]

```



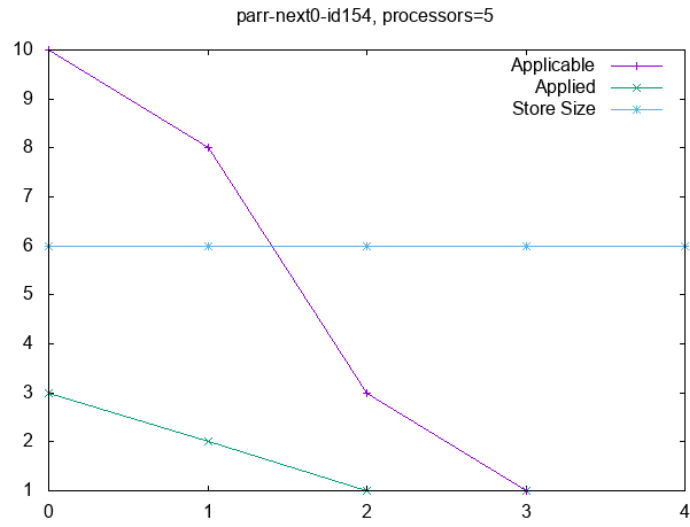
```
Store = Query = [min(5),min(2),min(1),min(3),min(4),[]]
[ min(5),min(2),min(1),min(3),min(4),[] ]
[ min(1),min(3),[] ]
[ min(1),[] ]
```



```

Store = Query = [sum(4),sum(5),sum(3),sum(2),sum(1),[]]
[sum(4),sum(5),sum(3),sum(2),sum(1),[]]
[sum(7),sum(3),sum(5),[]]
[sum(8),sum(7),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]

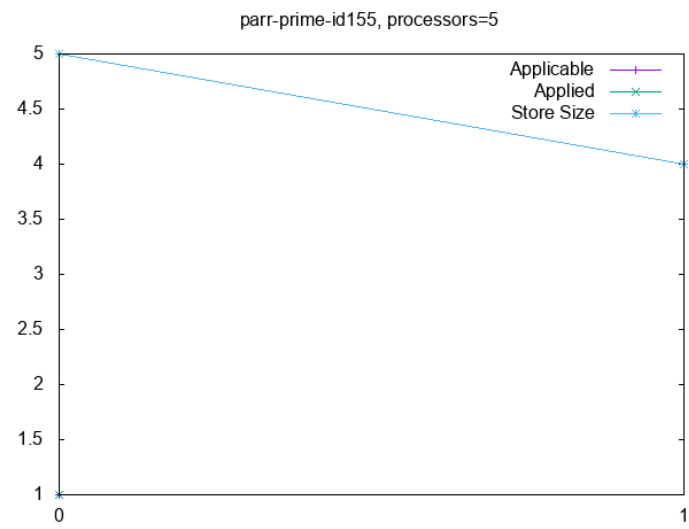
```



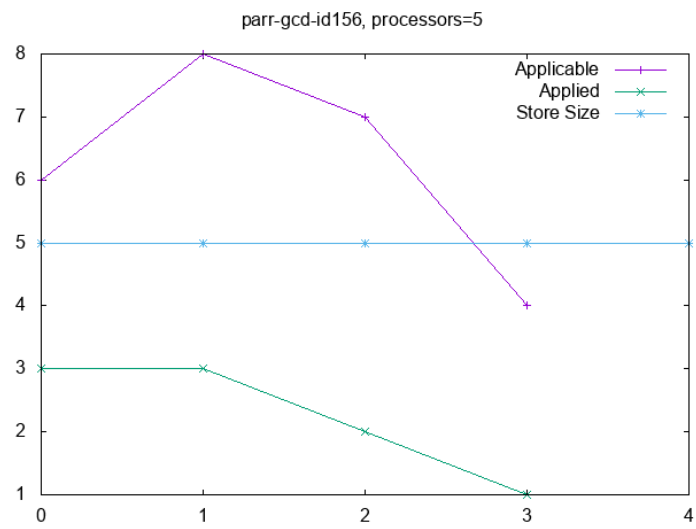
```

Store = Query = [next(0,5),next(0,4),next(0,1),next(0,3),
                  next(0,2),[]]
[next(0,5),next(0,4),next(0,1),next(0,3),next(0,2),[]]
[next(1,4),next(1,5),next(1,3),next(0,1),next(0,2),[]]
[next(4,5),next(3,4),next(1,3),next(0,1),next(0,2),[]]
[next(1,2),next(4,5),next(3,4),next(1,3),next(0,1),[]]
[next(2,3),next(1,2),next(4,5),next(3,4),next(0,1),[]]

```



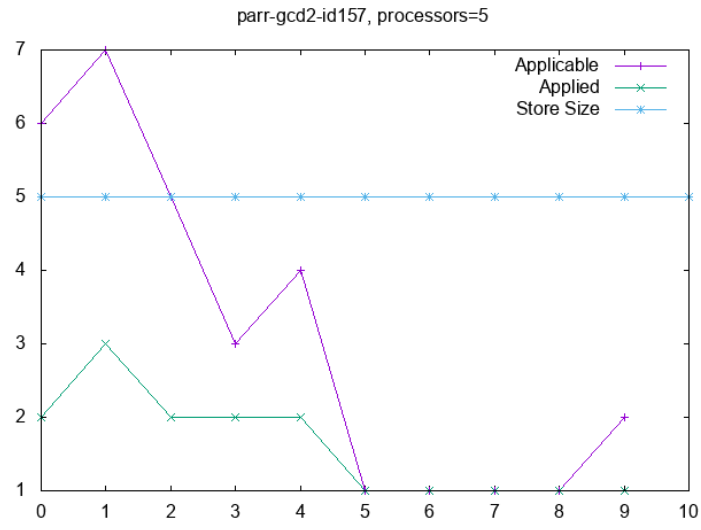
```
Store = Query = [prime(4),prime(2),prime(3),prime(5),[]]
[prime(4),prime(2),prime(3),prime(5),[]]
[prime(2),prime(3),prime(5),[]]
```



```

Store = Query = [gcd(4),gcd(2),gcd(5),gcd(3),[]]
[gcd(4),gcd(2),gcd(5),gcd(3),[]]
[gcd(1),gcd(3),gcd(1),gcd(2),[]]
[gcd(1),gcd(2),gcd(0),gcd(1),[]]
[gcd(0),gcd(1),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

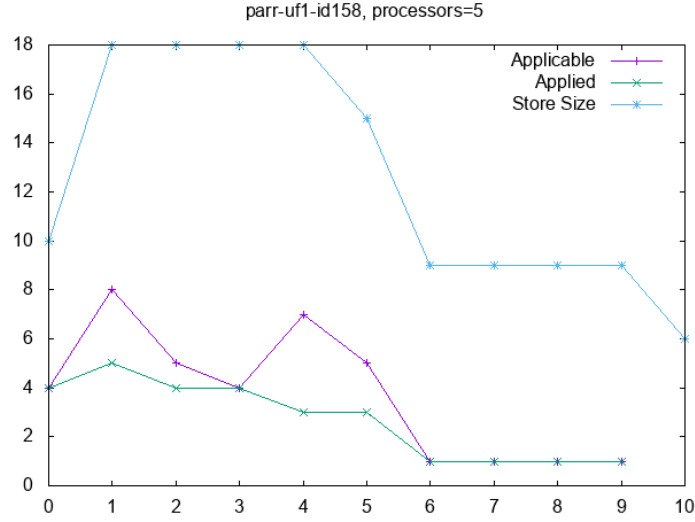
```



```

Store = Query = [gcd(16),gcd(7),gcd(11),gcd(5),[]]
[gcd(16),gcd(7),gcd(11),gcd(5),[]]
[gcd(2),gcd(11),gcd(11),gcd(5),[]]
[gcd(3),gcd(0),gcd(9),gcd(2),[]]
[gcd(7),gcd(1),gcd(0),gcd(2),[]]
[gcd(1),gcd(6),gcd(1),gcd(0),[]]
[gcd(5),gcd(0),gcd(1),gcd(0),[]]
[gcd(4),gcd(0),gcd(1),gcd(0),[]]
[gcd(3),gcd(0),gcd(1),gcd(0),[]]
[gcd(2),gcd(0),gcd(1),gcd(0),[]]
[gcd(1),gcd(0),gcd(1),gcd(0),[]]
[gcd(0),gcd(0),gcd(1),gcd(0),[]]

```

```

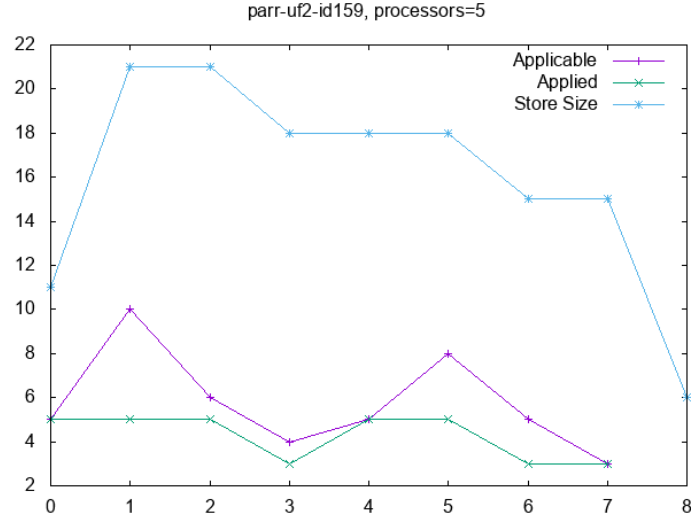
Store = Query = [ union (3,4) , union (2,3) , union (1,2) , union
                  (5,1) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (3,4) , union (2,3) , union (1,2) , union (5,1) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (1, _3822712) , find (5, _3822724) , find (3, _3822736) , find
  (2, _3822748) , find (4, _3822760) , find (3, _3822772) , find (2,
    _3822784) , find (1, _3822796) , link (_3822724, _3822712) ,
    link (_3822748, _3822736) , link (_3822772, _3822760) , link (
      _3822796, _3822784) , root (5) , root (4) , root (3) , root (2) ,
      root (1) , [] ]
[ find (5, _3822724) , find (2, _3822784) , find (1, _3822796) , link (
  _3822724, _3822712) , link (_3822748, _3822736) , link (
    _3822772, _3822760) , link (_3822796, _3822784) , root (5) ,
    root (4) , root (3) , root (2) , root (1) , found (3, _3822736) ,
    found (4, _3822760) , found (3, _3822772) , found (1, _3822712) ,
    found (2, _3822748) , [] ]
[ link (_3822724, _3822712) , link (_3822748, _3822736) , link (
  _3822772, _3822760) , link (_3822796, _3822784) , point (3, 2) ,
  root (5) , root (4) , root (2) , root (1) , found (5, _3822724) ,
  found (2, _3822784) , found (1, _3822796) , found (3, _3822736) ,
  found (4, _3822760) , found (3, _3822772) , found (1, _3822712) ,
  found (2, _3822748) , [] ]
[ link (_3822724, _3822712) , link (_3822748, _3822736) , link (
  _3822772, _3822760) , link (_3822796, _3822784) , point (2, 1) ,
  point (1, 5) , point (3, 2) , root (5) , root (4) , found (2, _3822772)
  ) , found (2, _3822736) , found (5, _3822724) , found (2, _3822784)
  ) , found (1, _3822796) , found (4, _3822760) , found (1, _3822712)
  ) , found (2, _3822748) , [] ]
[ link (_3822724, _3822712) , link (_3822772, _3822760) , link (
  _3822796, _3822784) , point (2, 1) , point (1, 5) , point (3, 2) ,
  root (5) , root (4) , found (5, _3822712) , found (1, _3822784) ,

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        found(2,_3822772),found(5,_3822724),found(1,_3822796),
        found(4,_3822760),[]]
[link(_3822772,_3822760),point(2,1),point(1,5),point(3,2)
,root(5),root(4),found(1,_3822772),found(4,_3822760)
,[],]
[link(_3822772,_3822760),point(2,1),point(1,5),point(3,2)
,root(5),root(4),found(5,_3822772),found(4,_3822760)
,[],]
[link(_3822772,_3822760),point(4,5),point(2,1),point(1,5)
,point(3,2),root(5),found(5,_3822772),found(4,_3822760)
),[],]
[link(_3822772,_3822760),point(4,5),point(2,1),point(1,5)
,point(3,2),root(5),found(5,_3822760),found(5,_3822772)
),[],]
[point(4,5),point(2,1),point(1,5),point(3,2),root(5),[]]

```



```

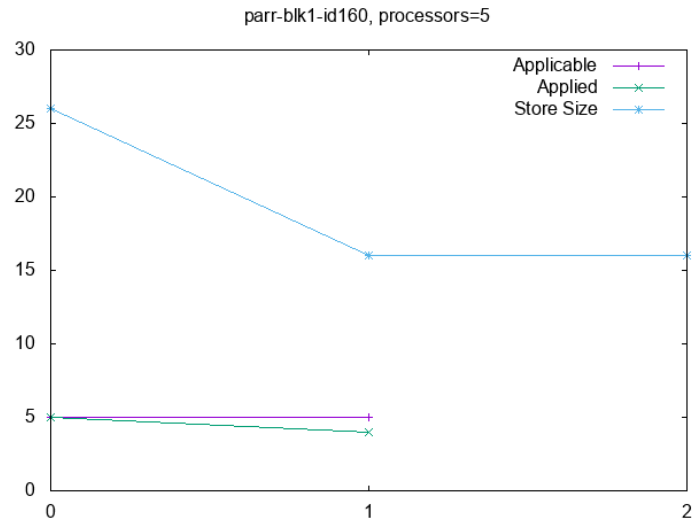
Store = Query = [ union(1,5), union(3,1), union(3,3), union
                  (5,3), union(2,5), root(5), root(4), root(3), root(2), root
                  (1), [] ]
[ union(1,5), union(3,1), union(3,3), union(5,3), union(2,5),
  root(5), root(4), root(3), root(2), root(1), [] ]
... (line too long)
... (line too long)
[ find(2, _3824716), link(_3824668, _3824656), link(_3824716,
  _3824704), link(_3824740, _3824728), link(_3824764,
  _3824752), root(5), root(4), root(3), root(2), root(1),
  found(5, _3824740), found(3, _3824728), found(5, _3824752),
  found(3, _3824668), found(1, _3824656), found(5, _3824704),
  found(1, _3824764), [] ]
[ link(_3824668, _3824656), link(_3824716, _3824704), link(
  _3824740, _3824728), link(_3824764, _3824752), point(1,3),
  point(3,5), root(5), root(4), root(2), found(2, _3824716),
  found(5, _3824740), found(3, _3824728), found(5, _3824752),
  found(3, _3824668), found(1, _3824656), found(5, _3824704),
  found(1, _3824764), [] ]
[ link(_3824668, _3824656), link(_3824716, _3824704), link(
  _3824740, _3824728), link(_3824764, _3824752), point(5,2),
  point(1,3), point(3,5), root(4), root(2), found(3, _3824656),
  found(5, _3824728), found(3, _3824764), found(5, _3824668),
  found(2, _3824716), found(5, _3824740), found(5, _3824752),
  found(5, _3824704), [] ]
[ link(_3824668, _3824656), link(_3824716, _3824704), link(
  _3824764, _3824752), point(5,2), point(1,3), point(3,5),
  root(4), root(2), found(2, _3824668), found(5, _3824764),
  found(2, _3824752), found(5, _3824656), found(2, _3824716),
  found(5, _3824704), [] ]
[ link(_3824668, _3824656), link(_3824716, _3824704), link(

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    _3824764, _3824752), point(5,2), point(1,3), point(3,5),
    root(4), root(2), found(2, _3824656), found(2, _3824704),
    found(2, _3824764), found(2, _3824668), found(2, _3824752),
    found(2, _3824716), []]
[point(5,2), point(1,3), point(3,5), root(4), root(2), []]

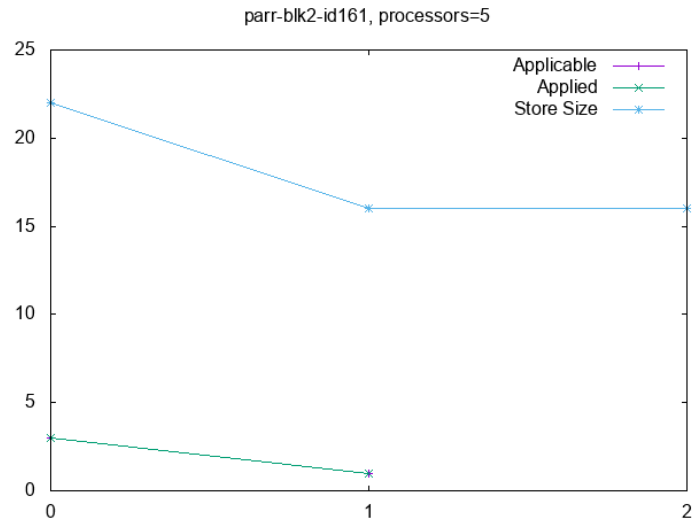
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
(2,102),grab(1,101),empty(5),empty(4),empty(3),empty
(2),empty(1),clear(105),clear(104),clear(103),clear
(102),clear(101),on(105,5),on(104,4),on(103,3),on
(102,2),on(101,1),put(5,4),put(2,5),put(3,2),put(4,3),
put(1,4),[]]
... (line too long)
[clear(4),clear(3),clear(2),clear(1),clear(5),put(5,4),
put(2,5),put(3,2),put(4,3),put(1,4),hold(4,104),hold
(3,103),hold(2,102),hold(1,101),hold(5,105),[]]
[empty(2),empty(4),empty(3),empty(1),clear(102),clear
(104),clear(103),clear(101),clear(1),on(102,5),on
(104,3),on(103,2),on(101,4),put(5,4),hold(5,105),[]]

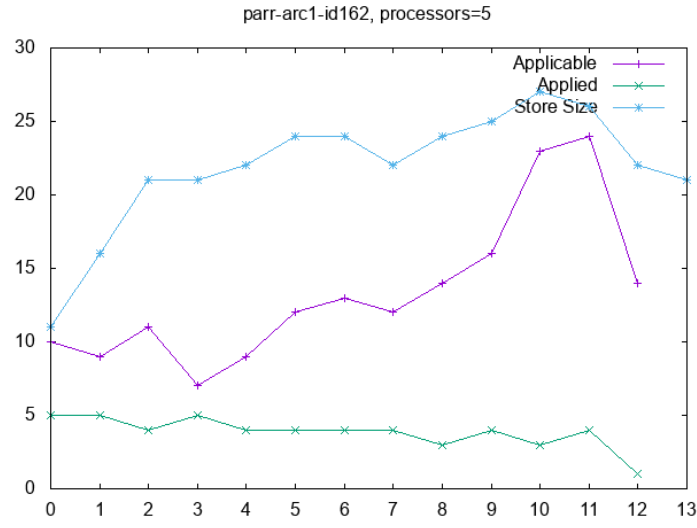
```



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(5,1),put(2,5),put(5,2),put(4,5),put(4,4),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(6),
  clear(4),put(5,1),put(2,5),put(5,2),put(4,5),put(4,4),
  hold(1,1),hold(5,5),hold(3,3),[]]
[grab(4,4),grab(2,2),empty(5),empty(4),empty(2),clear(5),
  clear(6),clear(4),on(5,2),put(5,1),put(2,5),put(4,5),
  put(4,4),hold(1,1),hold(3,3),[]]

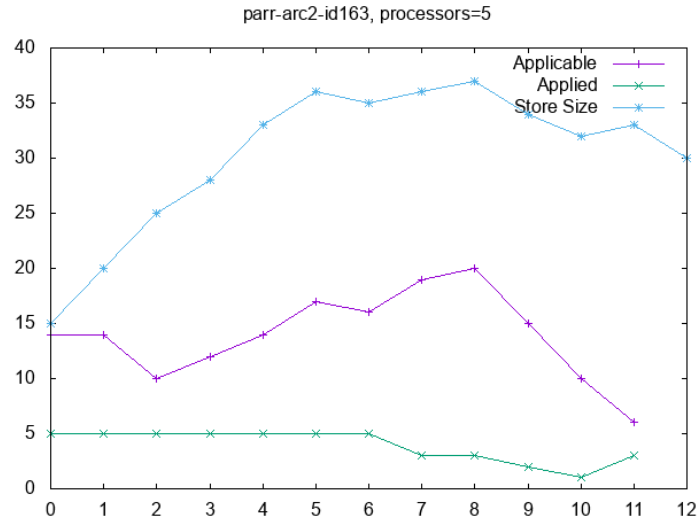
```



```

Store = Query = [ arc ( 2 , 3 , 4 ) , arc ( 3 , 5 , 9 ) , arc ( 4 , 5 , 5 ) , arc
    ( 1 , 4 , 10 ) , arc ( 1 , 5 , 21 ) , arc ( 1 , 5 , 21 ) , arc ( 4 , 5 , 5 ) , arc ( 3 , 4 , 4 )
    , arc ( 2 , 3 , 3 ) , arc ( 1 , 2 , 2 ) , [] ]
[ arc ( 2 , 3 , 4 ) , arc ( 3 , 5 , 9 ) , arc ( 4 , 5 , 5 ) , arc ( 1 , 4 , 10 ) , arc ( 1 , 5 , 21 )
    , arc ( 1 , 5 , 21 ) , arc ( 4 , 5 , 5 ) , arc ( 3 , 4 , 4 ) , arc ( 2 , 3 , 3 ) , arc
    ( 1 , 2 , 2 ) , [] ]
[ arc ( 2 , 3 , 4 ) , arc ( 3 , 5 , 9 ) , arc ( 4 , 5 , 5 ) , arc ( 1 , 4 , 10 ) , arc ( 1 , 5 , 21 )
    , arc ( 1 , 5 , 21 ) , arc ( 4 , 5 , 5 ) , arc ( 3 , 4 , 4 ) , arc ( 2 , 3 , 3 ) , arc
    ( 1 , 2 , 2 ) , path ( 1 , 2 , 2 ) , path ( 1 , 4 , 10 ) , path ( 3 , 4 , 4 ) , path
    ( 1 , 5 , 21 ) , path ( 4 , 5 , 5 ) , [] ]
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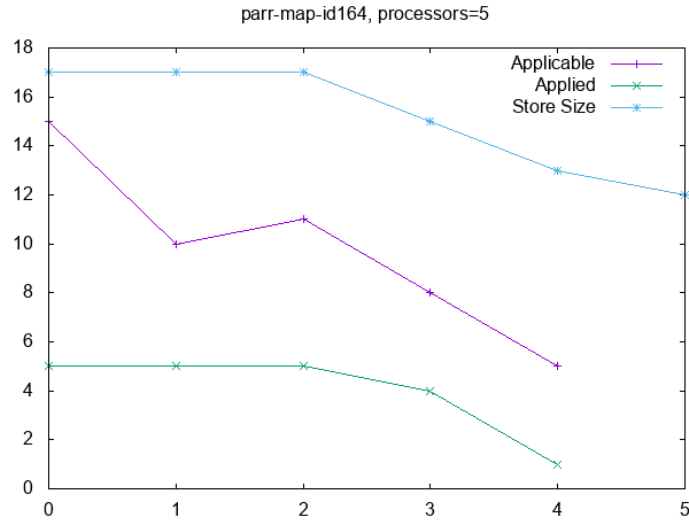
```



```

Store = Query = [ arc(1,5,21), arc(2,5,11), arc(2,4,8), arc
(3,4,4), arc(5,9,25), arc(4,9,34), arc(3,9,45), arc
(2,9,58), arc(1,9,73), arc(0,5,25), arc(0,4,16), arc
(0,3,9), arc(0,2,4), arc(0,1,1), [] ]
[ arc(1,5,21), arc(2,5,11), arc(2,4,8), arc(3,4,4), arc
(5,9,25), arc(4,9,34), arc(3,9,45), arc(2,9,58), arc
(1,9,73), arc(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4)
, arc(0,1,1), [] ]
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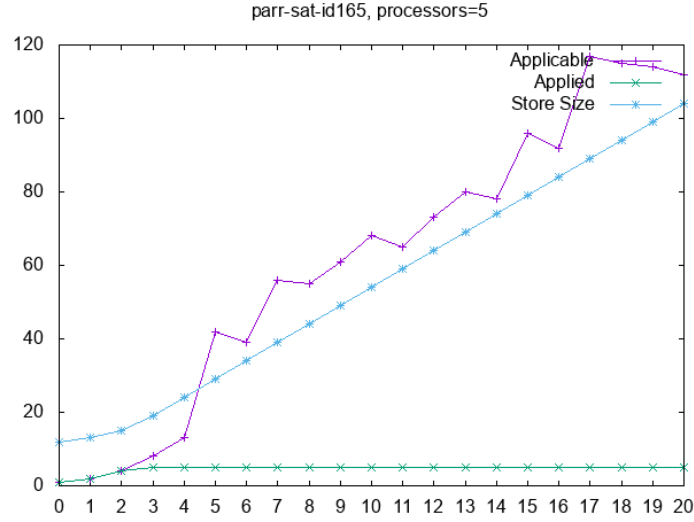
```

```

Store = Query = [mapreduce(cw,cw),data(7),data(5),data(9)
, data(6),data(3),data(1),data(2),data(4),data(10),data
(3),data(8),data(4),data(5),data(2),data(1),[]]
[mapreduce(cw,cw),data(7),data(5),data(9),data(6),data(3)
,data(1),data(2),data(4),data(10),data(3),data(8),data
(4),data(5),data(2),data(1),[]]
[mapreduce(cw,cw),data(5),data(6),data(3),data(10),data
(3),data(8),data(4),data(5),data(2),data(1),work(cw
,2,1),work(cw,7,1),work(cw,9,1),work(cw,4,1),work(cw
,1,1),[]]
[mapreduce(cw,cw),data(6),data(10),data(8),data(4),data
(1),work(cw,3,1),work(cw,2,1),work(cw,5,1),work(cw
,5,1),work(cw,3,1),work(cw,2,1),work(cw,7,1),work(cw
,9,1),work(cw,4,1),work(cw,1,1),[]]
[mapreduce(cw,cw),data(8),data(4),work(cw,6,1),work(cw
,1,1),work(cw,10,1),work(cw,3,2),work(cw,5,2),work(cw
,2,1),work(cw,2,1),work(cw,7,1),work(cw,9,1),work(cw
,4,1),work(cw,1,1),[]]
[mapreduce(cw,cw),work(cw,8,1),work(cw,2,2),work(cw,1,2),
work(cw,4,1),work(cw,6,1),work(cw,10,1),work(cw,3,2),
work(cw,5,2),work(cw,7,1),work(cw,9,1),work(cw,4,1)
,[]]
[mapreduce(cw,cw),work(cw,4,2),work(cw,8,1),work(cw,2,2),
work(cw,1,2),work(cw,6,1),work(cw,10,1),work(cw,3,2),
work(cw,5,2),work(cw,7,1),work(cw,9,1),[]]

```

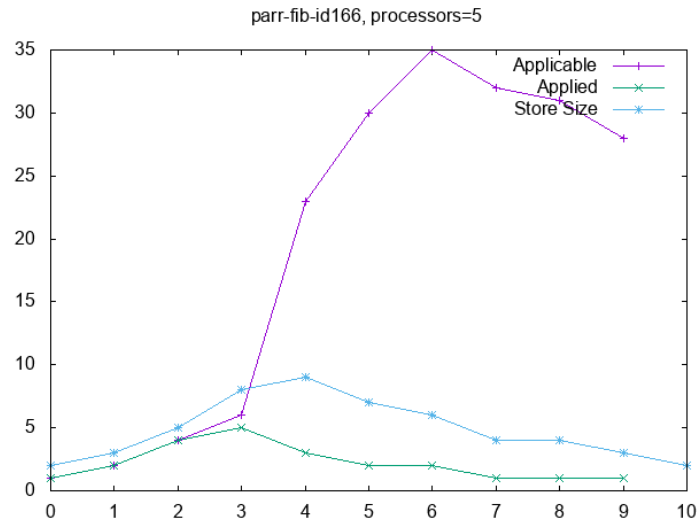


```

Store = Query = [ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 33 ,
neg ( 3 ) ) , eq ( 13 , or ( 1 , 3 ) ) , eq ( 21 , and ( 2 , 1 ) ) , eq ( 42 , and ( 4 , 2 ) )
, eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 )
) , [ ] ]
[ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 33 , neg ( 3 ) ) , eq ( 13 , or
( 1 , 3 ) ) , eq ( 21 , and ( 2 , 1 ) ) , eq ( 42 , and ( 4 , 2 ) ) , eq ( 5 , v ( 5 ) ) , eq
( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 2 , 3 , 4 , 5 ] , [ false ( 1 ) ] ) , f ([ 2 , 3 , 4 , 5 ] , [ true ( 1 ) ] ) , eq ( 32 , and
( 3 , 2 ) ) , eq ( 33 , neg ( 3 ) ) , eq ( 13 , or ( 1 , 3 ) ) , eq ( 21 , and ( 2 , 1 ) ) , eq
( 42 , and ( 4 , 2 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v
( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 3 , 4 , 5 ] , [ false ( 2 ) , false ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) , false
( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ false ( 2 ) , true ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 )
, true ( 1 ) ] ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 33 , neg ( 3 ) ) , eq ( 13 , or ( 1 , 3 )
) , eq ( 21 , and ( 2 , 1 ) ) , eq ( 42 , and ( 4 , 2 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 )
) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) ,
true ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , false ( 1 )
] ) , f ([ 4 , 5 ] , [ true ( 3 ) , false ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false
( 3 ) , false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , false ( 2 ) , true
( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [
true ( 3 ) , true ( 2 ) , false ( 1 ) ] ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 33 , neg
( 3 ) ) , eq ( 13 , or ( 1 , 3 ) ) , eq ( 21 , and ( 2 , 1 ) ) , eq ( 42 , and ( 4 , 2 ) ) , eq
( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 )
) , [ ] ]
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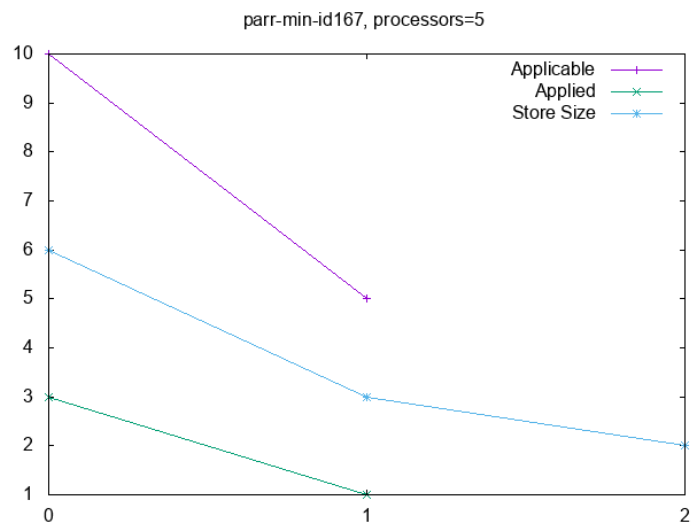
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```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (1) , fib (2) , fib (2) , fib (3) , [] ]
[ sum (1) , fib (1) , fib (2) , fib (0) , fib (1) , fib (0) , fib (1) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (0) , fib (1) , fib (1)
  , [] ]
[ sum (1) , sum (2) , sum (2) , sum (1) , fib (0) , fib (1) , [] ]
[ sum (2) , sum (1) , sum (2) , sum (2) , fib (0) , [] ]
[ sum (3) , sum (4) , fib (0) , [] ]
[ sum (1) , sum (3) , sum (4) , [] ]
[ sum (5) , sum (3) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]

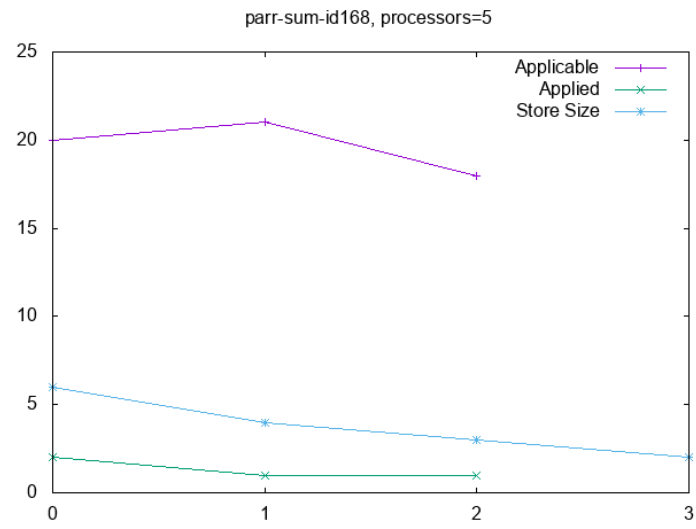
```



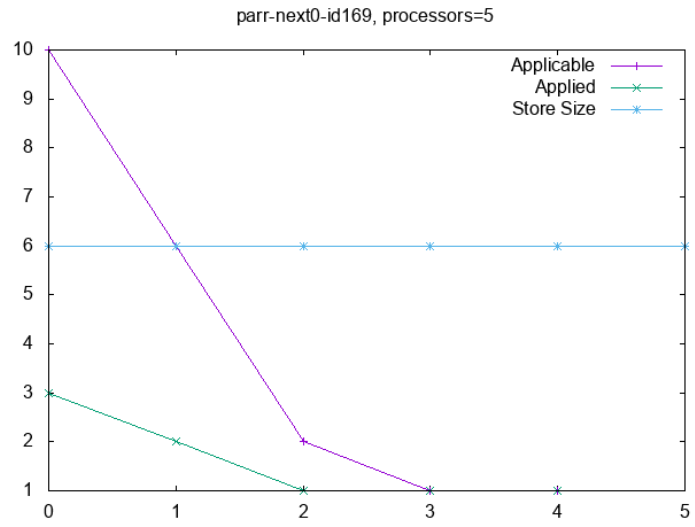
```

Store = Query = [min(4) ,min(5) ,min(3) ,min(1) ,min(2) ,[]]
[ min(4) ,min(5) ,min(3) ,min(1) ,min(2) ,[]]
[ min(3) ,min(1) ,[]]
[ min(1) ,[]]

```



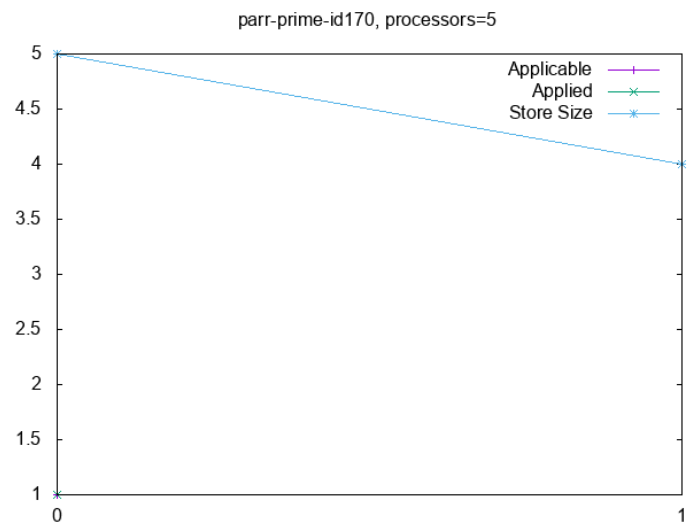
```
Store = Query = [sum(3),sum(4),sum(1),sum(5),sum(2),[]]
[sum(3),sum(4),sum(1),sum(5),sum(2),[]]
[sum(6),sum(6),sum(3),[]]
[sum(9),sum(6),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]
```



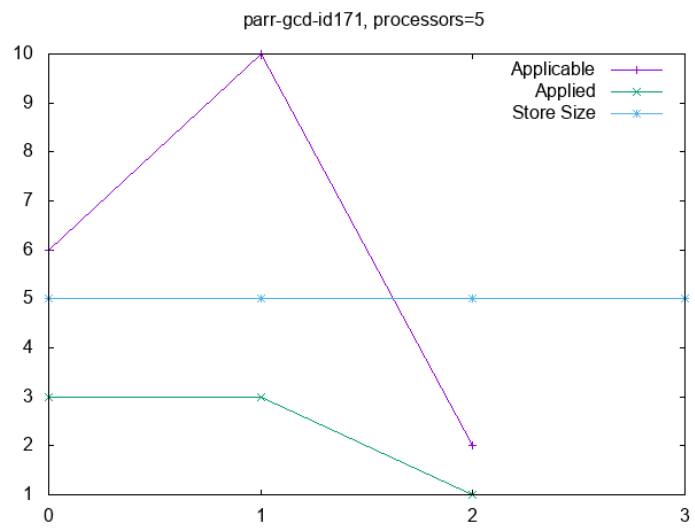
```

Store = Query = [next(0,5),next(0,1),next(0,3),next(0,4),
                  next(0,2),[]]
[next(0,5),next(0,1),next(0,3),next(0,4),next(0,2),[]]
[next(2,4),next(2,3),next(1,2),next(0,5),next(0,1),[]]
[next(1,5),next(3,4),next(2,3),next(1,2),next(0,1),[]]
[next(2,5),next(3,4),next(2,3),next(1,2),next(0,1),[]]
[next(3,5),next(3,4),next(2,3),next(1,2),next(0,1),[]]
[next(4,5),next(3,4),next(2,3),next(1,2),next(0,1),[]]

```



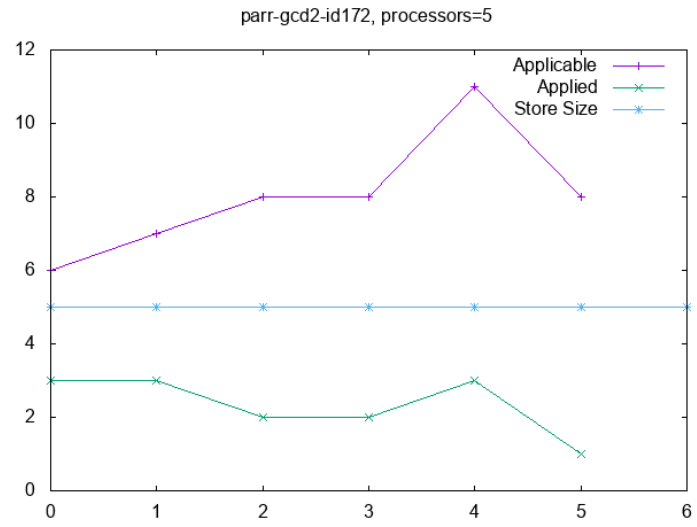
```
Store = Query = [prime(2),prime(3),prime(4),prime(5),[]]
[prime(2),prime(3),prime(4),prime(5),[]]
[prime(2),prime(3),prime(5),[]]
```

```

Store = Query = [gcd(2),gcd(4),gcd(5),gcd(3),[]]
[gcd(2),gcd(4),gcd(5),gcd(3),[]]
[gcd(2),gcd(2),gcd(1),gcd(2),[]]
[gcd(0),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

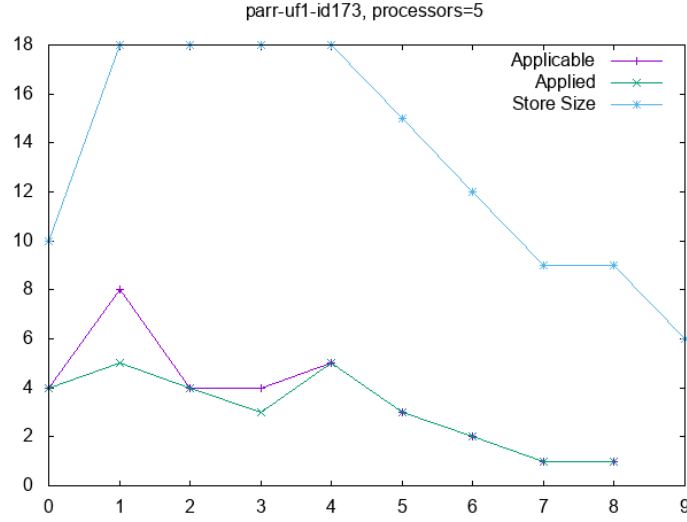
```



```

Store = Query = [gcd(16),gcd(7),gcd(5),gcd(11),[]]
[gcd(16),gcd(7),gcd(5),gcd(11),[]]
[gcd(6),gcd(11),gcd(2),gcd(5),[]]
[gcd(4),gcd(6),gcd(3),gcd(2),[]]
[gcd(3),gcd(1),gcd(4),gcd(2),[]]
[gcd(1),gcd(1),gcd(1),gcd(2),[]]
[gcd(0),gcd(1),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

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```

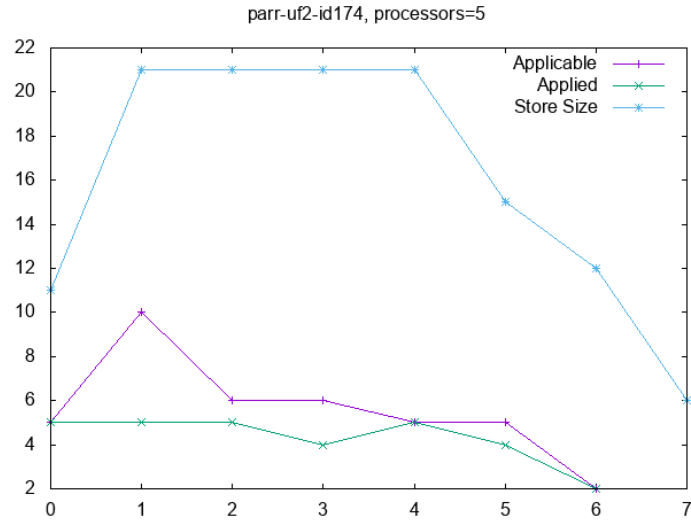
Store = Query = [ union (3,4) , union (2,3) , union (5,2) , union
                  (1,5) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (3,4) , union (2,3) , union (5,2) , union (1,5) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (5, _3822712) , find (1, _3822724) , find (2, _3822736) , find
  (5, _3822748) , find (4, _3822760) , find (3, _3822772) , find (3,
  _3822784) , find (2, _3822796) , link (_3822724, _3822712) ,
  link (_3822748, _3822736) , link (_3822772, _3822760) , link (
  _3822796, _3822784) , root (5) , root (4) , root (3) , root (2) ,
  root (1) , [] ]
[ find (5, _3822712) , find (2, _3822736) , find (2, _3822796) , link (
  _3822724, _3822712) , link (_3822748, _3822736) , link (
  _3822772, _3822760) , link (_3822796, _3822784) , root (5) ,
  root (4) , root (3) , root (2) , root (1) , found (5, _3822748) ,
  found (1, _3822724) , found (3, _3822784) , found (4, _3822760) ,
  found (3, _3822772) , [] ]
[ link (_3822724, _3822712) , link (_3822748, _3822736) , link (
  _3822772, _3822760) , link (_3822796, _3822784) , point (4,3) ,
  root (5) , root (3) , root (2) , root (1) , found (5, _3822712) ,
  found (2, _3822736) , found (2, _3822796) , found (5, _3822748) ,
  found (1, _3822724) , found (3, _3822784) , found (4, _3822760) ,
  found (3, _3822772) , [] ]
[ link (_3822724, _3822712) , link (_3822748, _3822736) , link (
  _3822772, _3822760) , link (_3822796, _3822784) , point (2,5) ,
  point (5,1) , point (4,3) , root (3) , root (1) , found (3, _3822760
  ) , found (5, _3822712) , found (2, _3822736) , found (2, _3822796
  ) , found (5, _3822748) , found (1, _3822724) , found (3, _3822784
  ) , found (3, _3822772) , [] ]
[ link (_3822724, _3822712) , link (_3822748, _3822736) , link (
  _3822796, _3822784) , point (2,5) , point (5,1) , point (4,3) ,
  root (3) , root (1) , found (5, _3822736) , found (1, _3822748) ,

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        found(5,_3822796),found(1,_3822712),found(1,_3822724),
        found(3,_3822784),[]]
[link(_3822748,_3822736),link(_3822796,_3822784),point
  (2,5),point(5,1),point(4,3),root(3),root(1),found(1,
    _3822796),found(1,_3822736),found(1,_3822748),found(3,
    _3822784),[]]
[link(_3822796,_3822784),point(3,1),point(2,5),point(5,1)
  ,point(4,3),root(1),found(1,_3822796),found(3,_3822784
  ),[]]
[link(_3822796,_3822784),point(3,1),point(2,5),point(5,1)
  ,point(4,3),root(1),found(1,_3822784),found(1,_3822796
  ),[]]
[point(3,1),point(2,5),point(5,1),point(4,3),root(1),[]]

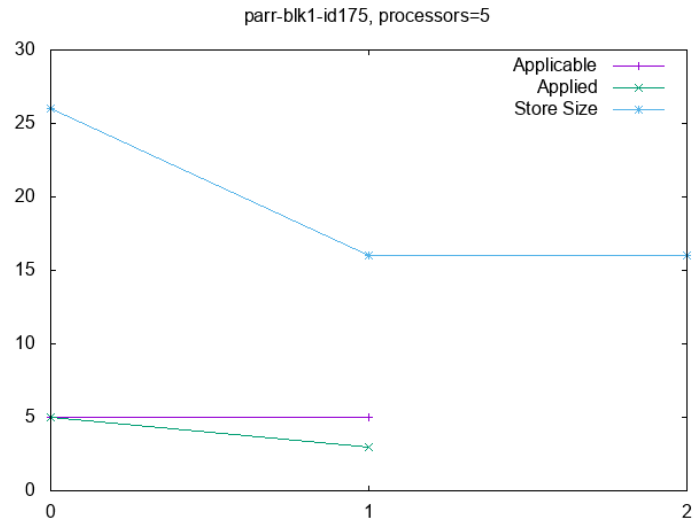
```



```

Store = Query = [ union (2,3) , union (4,2) , union (5,4) , union
                  (5,5) , union (4,5) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (2,3) , union (4,2) , union (5,4) , union (5,5) , union (4,5) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
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[ link (_3908216 , _3908204) , link (_3908288 , _3908276) , link (
  _3908312 , _3908300) , point (2,5) , point (3,2) , point (4,5) ,
  root (5) , root (1) , found (5, _3908288) , found (2, _3908300) ,
  found (5, _3908216) , found (2, _3908204) , found (5, _3908276) ,
  found (2, _3908312) , [] ]
[ link (_3908216 , _3908204) , link (_3908312 , _3908300) , point
  (2,5) , point (3,2) , point (4,5) , root (5) , root (1) , found (5,
  _3908312) , found (5, _3908300) , found (5, _3908204) , found (5,
  _3908216) , [] ]
[ point (2,5) , point (3,2) , point (4,5) , root (5) , root (1) , [] ]

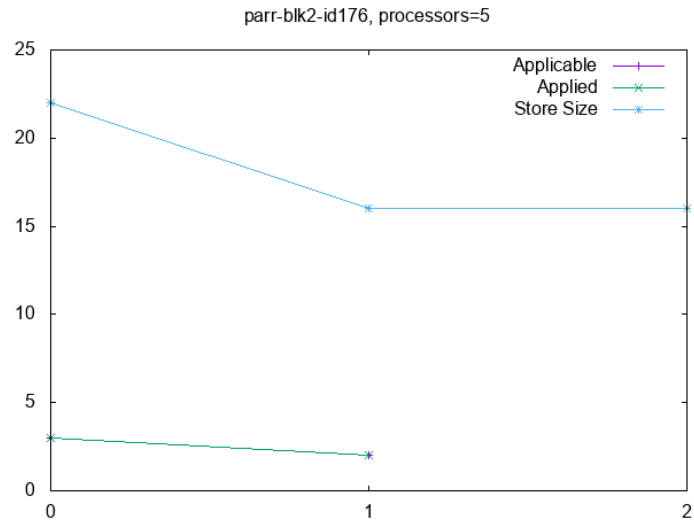
```



```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
  (2,102),grab(1,101),empty(5),empty(4),empty(3),empty
  (2),empty(1),clear(105),clear(104),clear(103),clear
  (102),clear(101),on(105,5),on(104,4),on(103,3),on
  (102,2),on(101,1),put(5,2),put(4,5),put(1,4),put(5,1),
  put(2,5),[]]
... (line too long)
[clear(3),clear(4),clear(5),clear(2),clear(1),put(5,2),
  put(4,5),put(1,4),put(5,1),put(2,5),hold(3,103),hold
  (4,104),hold(5,105),hold(2,102),hold(1,101),[]]
[empty(5),empty(2),empty(1),clear(105),clear(102),clear
  (101),clear(3),clear(2),on(105,1),on(102,5),on(101,4),
  put(5,2),put(4,5),hold(3,103),hold(4,104),[]]

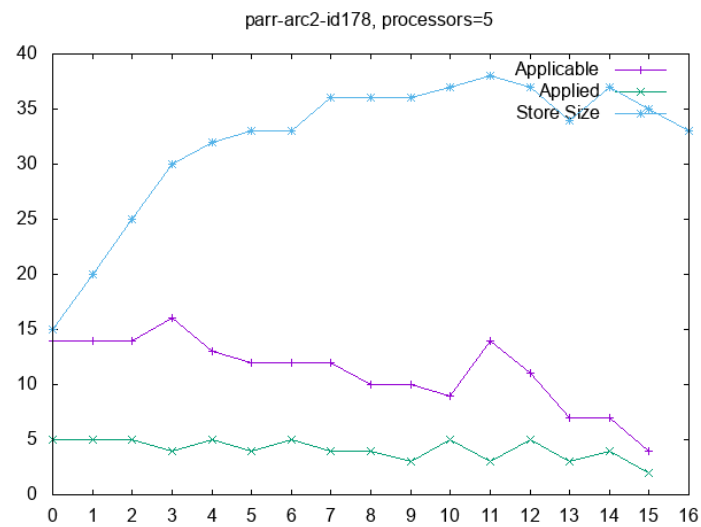
```

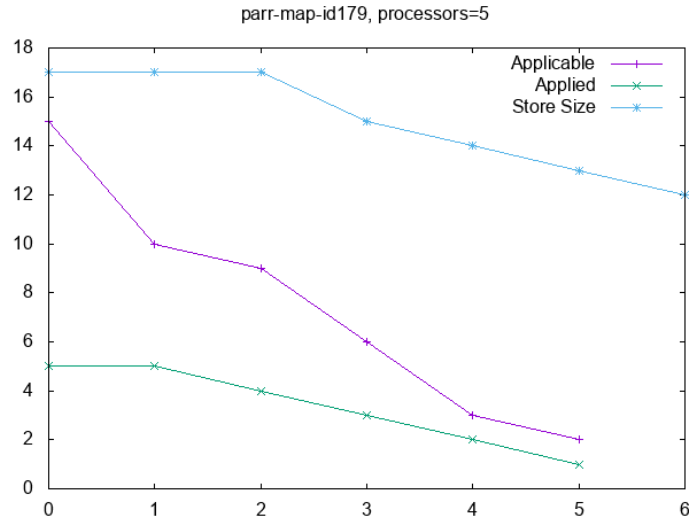


```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(2,1),put(5,2),put(3,5),put(4,3),put(3,4),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(4),clear(2),
  clear(6),put(2,1),put(5,2),put(3,5),put(4,3),put(3,4),
  hold(3,3),hold(1,1),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(5),empty(3),empty(4),empty(2),
  clear(5),clear(3),clear(6),on(5,2),on(3,4),put(2,1),
  put(3,5),put(4,3),hold(1,1),[]]

```

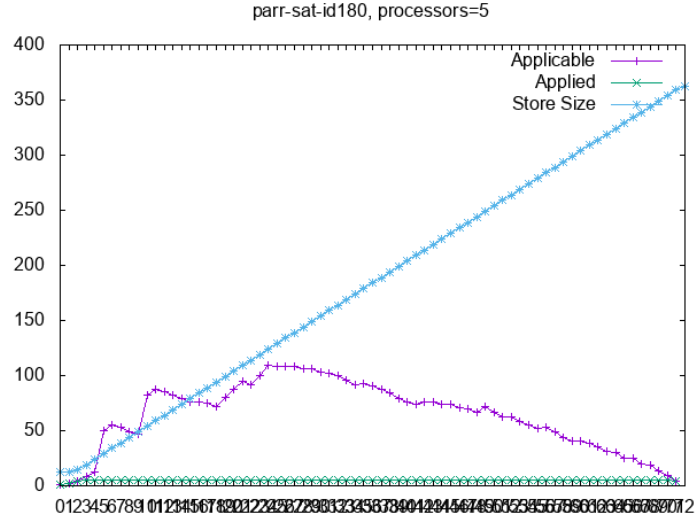

[illegible]



```

Store = Query = [mapreduce(cw,cw),data(6),data(1),data(4)
, data(9),data(4),data(5),data(3),data(5),data(10),data
(2),data(2),data(3),data(8),data(7),data(1),[]]
[mapreduce(cw,cw),data(6),data(1),data(4),data(9),data(4)
,data(5),data(3),data(5),data(10),data(2),data(2),data
(3),data(8),data(7),data(1),[]]
[mapreduce(cw,cw),data(4),data(4),data(3),data(5),data(2)
,data(2),data(3),data(8),data(7),data(1),work(cw,5,1),
work(cw,6,1),work(cw,9,1),work(cw,10,1),work(cw,1,1)
,[]]
[mapreduce(cw,cw),data(5),data(2),data(2),data(7),data(1)
,work(cw,8,1),work(cw,3,1),work(cw,3,1),work(cw,4,1),
work(cw,4,1),work(cw,5,1),work(cw,6,1),work(cw,9,1),
work(cw,10,1),work(cw,1,1),[]]
[mapreduce(cw,cw),data(5),data(2),data(7),work(cw,4,2),
work(cw,3,2),work(cw,1,1),work(cw,2,1),work(cw,8,1),
work(cw,5,1),work(cw,6,1),work(cw,9,1),work(cw,10,1),
work(cw,1,1),[]]
[mapreduce(cw,cw),data(2),work(cw,7,1),work(cw,1,2),work(
cw,5,1),work(cw,4,2),work(cw,3,2),work(cw,2,1),work(cw
,8,1),work(cw,5,1),work(cw,6,1),work(cw,9,1),work(cw
,10,1),[]]
[mapreduce(cw,cw),work(cw,5,2),work(cw,2,1),work(cw,7,1),
work(cw,1,2),work(cw,4,2),work(cw,3,2),work(cw,2,1),
work(cw,8,1),work(cw,6,1),work(cw,9,1),work(cw,10,1)
,[]]
[mapreduce(cw,cw),work(cw,2,2),work(cw,5,2),work(cw,7,1),
work(cw,1,2),work(cw,4,2),work(cw,3,2),work(cw,8,1),
work(cw,6,1),work(cw,9,1),work(cw,10,1),[]]

```



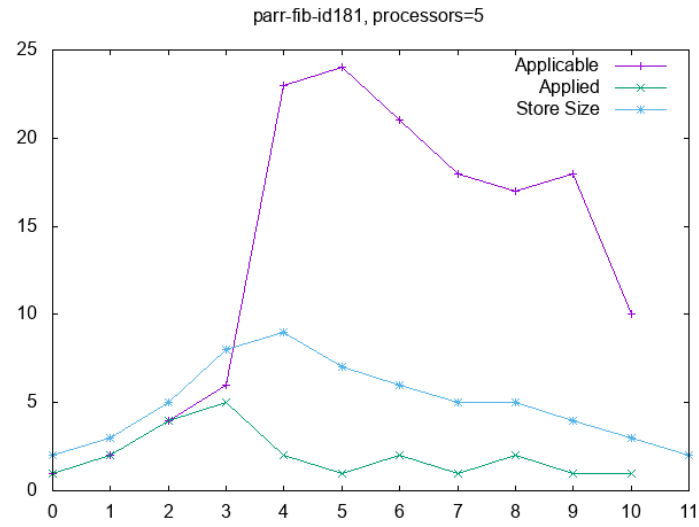
```

Store = Query = [ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 25 ,
    or ( 2 , 5 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 43 , and ( 4 , 3 ) ) , eq ( 14 , or ( 1 , 4 )
    ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v
    ( 1 ) ) , [ ] ]
[ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 25 , or ( 2 , 5 ) ) , eq ( 32 ,
    and ( 3 , 2 ) ) , eq ( 43 , and ( 4 , 3 ) ) , eq ( 14 , or ( 1 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq
    ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 2 , 3 , 4 , 5 ] , [ false ( 1 ) ] ) , f ([ 2 , 3 , 4 , 5 ] , [ true ( 1 ) ] ) , eq ( 54 , and
    ( 5 , 4 ) ) , eq ( 25 , or ( 2 , 5 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 43 , and ( 4 , 3 ) ) ,
    eq ( 14 , or ( 1 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v
    ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 3 , 4 , 5 ] , [ false ( 2 ) , true ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) , true ( 1 )
    ] ) , f ([ 3 , 4 , 5 ] , [ false ( 2 ) , false ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) ,
    false ( 1 ) ] ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 25 , or ( 2 , 5 ) ) , eq ( 32 , and
    ( 3 , 2 ) ) , eq ( 43 , and ( 4 , 3 ) ) , eq ( 14 , or ( 1 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 ,
    v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) ,
    false ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , true ( 1 )
    ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ false
    ( 3 ) , true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , false
    ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [
    true ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 25 , or
    ( 2 , 5 ) ) , eq ( 32 , and ( 3 , 2 ) ) , eq ( 43 , and ( 4 , 3 ) ) , eq ( 14 , or ( 1 , 4 ) ) ,
    eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 )
    ) , [ ] ]
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)
... (line too long)

```

[illegible]

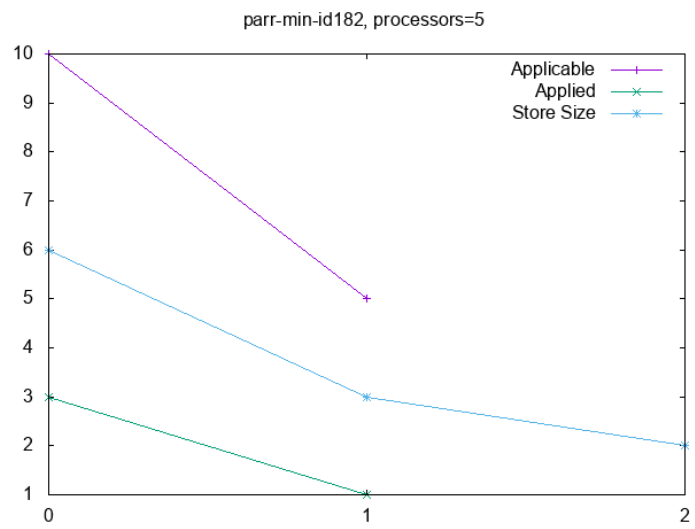
... (line too long)
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... (line too long)



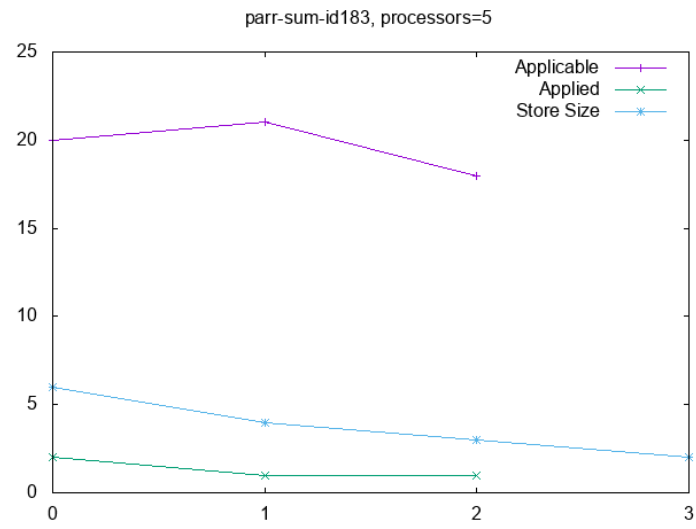
```

Store = Query = [ fib (5) , [] ]
[ fib (5) , [] ]
[ fib (3) , fib (4) , [] ]
[ fib (2) , fib (3) , fib (1) , fib (2) , [] ]
[ sum (1) , fib (1) , fib (2) , fib (0) , fib (1) , fib (0) , fib (1) , [] ]
[ sum (1) , sum (1) , sum (1) , sum (1) , sum (1) , fib (0) , fib (1) , fib (1)
, [] ]
[ sum (2) , sum (2) , sum (1) , fib (0) , fib (1) , fib (1) , [] ]
[ sum (4) , sum (1) , fib (0) , fib (1) , fib (1) , [] ]
[ sum (5) , sum (1) , fib (1) , fib (1) , [] ]
[ sum (1) , sum (5) , sum (1) , fib (1) , [] ]
[ sum (2) , sum (1) , sum (5) , [] ]
[ sum (6) , sum (2) , [] ]
[ sum (6) , sum (2) , [] ]
[ sum (8) , [] ]
[ sum (8) , [] ]

```



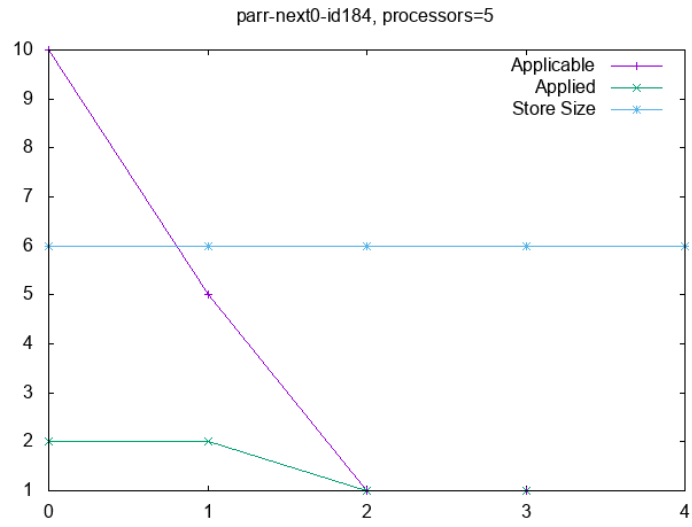
```
Store = Query = [min(2) ,min(4) ,min(1) ,min(3) ,min(5) ,[]]
[ min(2) ,min(4) ,min(1) ,min(3) ,min(5) ,[] ]
[ min(1) ,min(3) ,[] ]
[ min(1) ,[] ]
```

```

Store = Query = [sum(3),sum(5),sum(4),sum(2),sum(1),[]]
[sum(3),sum(5),sum(4),sum(2),sum(1),[]]
[sum(4),sum(9),sum(2),[]]
[sum(6),sum(9),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]
[sum(15),[]]

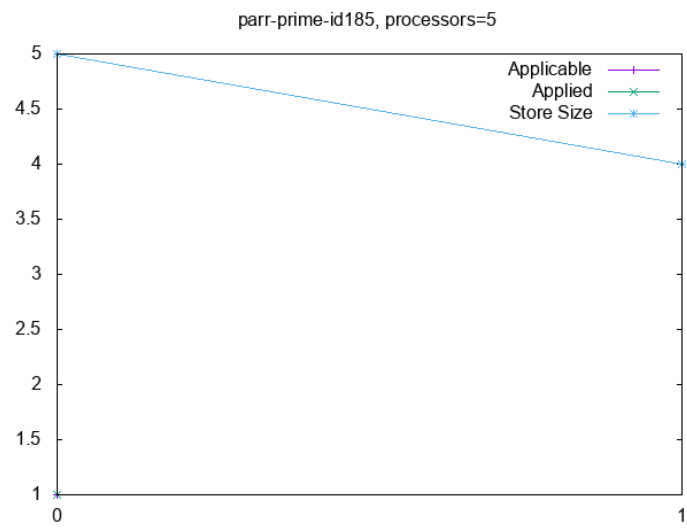
```



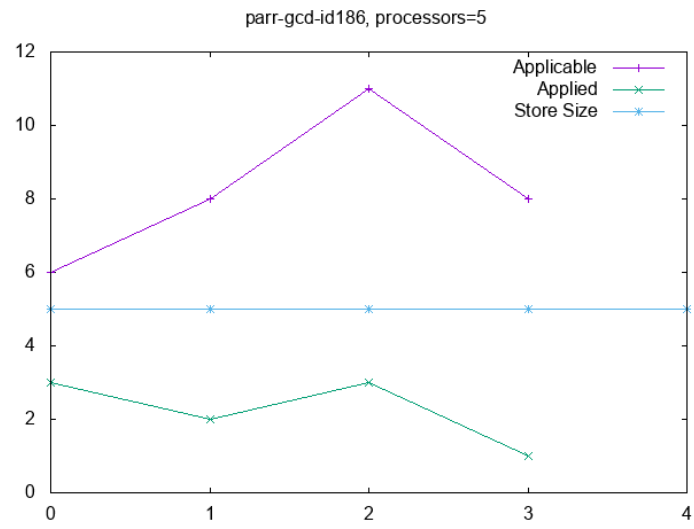
```

Store = Query = [ next(0,1), next(0,4), next(0,2), next(0,5),
                  next(0,3), [] ]
[ next(0,1), next(0,4), next(0,2), next(0,5), next(0,3), [] ]
[ next(3,4), next(2,3), next(0,1), next(0,2), next(0,5), [] ]
[ next(2,5), next(1,2), next(3,4), next(2,3), next(0,1), [] ]
[ next(3,5), next(1,2), next(3,4), next(2,3), next(0,1), [] ]
[ next(4,5), next(1,2), next(3,4), next(2,3), next(0,1), [] ]

```



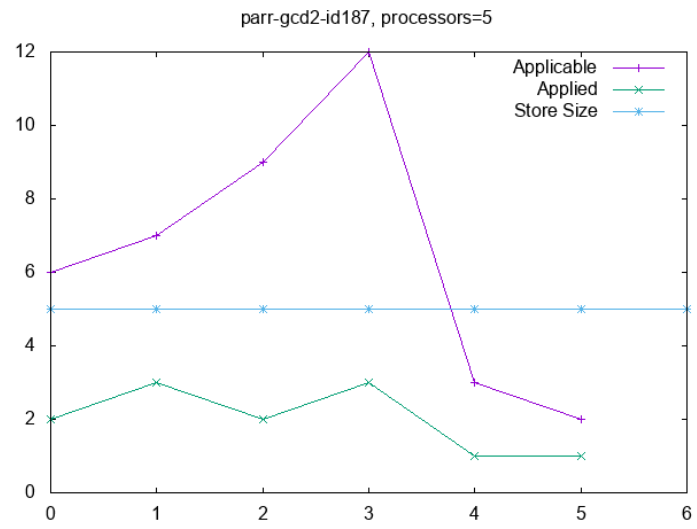
```
Store = Query = [prime(3),prime(4),prime(5),prime(2),[]]
[prime(3),prime(4),prime(5),prime(2),[]]
[prime(3),prime(5),prime(2),[]]
```



```

Store = Query = [gcd(5),gcd(2),gcd(3),gcd(4),[]]
[gcd(5),gcd(2),gcd(3),gcd(4),[]]
[gcd(1),gcd(2),gcd(3),gcd(2),[]]
[gcd(1),gcd(1),gcd(1),gcd(2),[]]
[gcd(0),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

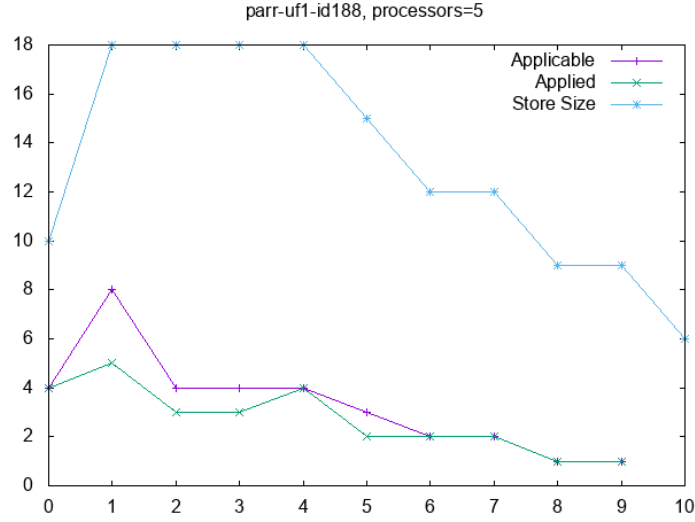
```



```

Store = Query = [gcd(11),gcd(16),gcd(7),gcd(5),[]]
[gcd(11),gcd(16),gcd(7),gcd(5),[]]
[gcd(2),gcd(11),gcd(11),gcd(5),[]]
[gcd(6),gcd(6),gcd(3),gcd(2),[]]
[gcd(3),gcd(3),gcd(3),gcd(2),[]]
[gcd(0),gcd(0),gcd(1),gcd(2),[]]
[gcd(0),gcd(0),gcd(1),gcd(2),[]]
[gcd(1),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

```



```

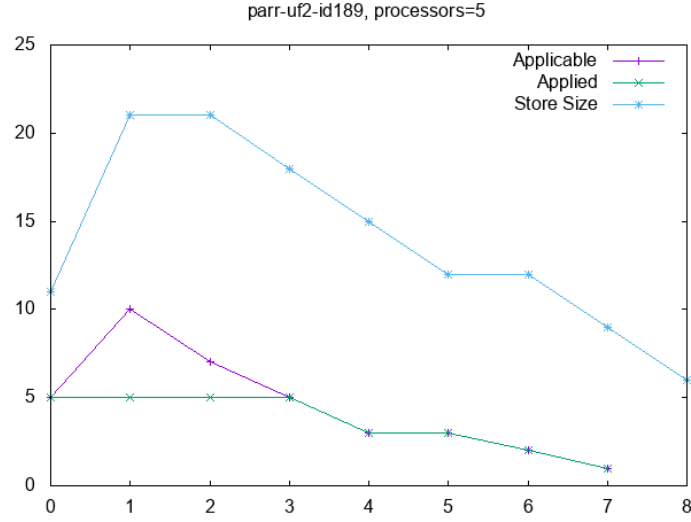
Store = Query = [ union (2,3) , union (5,2) , union (1,5) , union
                  (4,1) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (2,3) , union (5,2) , union (1,5) , union (4,1) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ find (1, _4765182) , find (4, _4765194) , find (5, _4765206) , find
  (1, _4765218) , find (3, _4765230) , find (2, _4765242) , find (2,
  _4765254) , find (5, _4765266) , link (_4765194, _4765182) ,
  link (_4765218, _4765206) , link (_4765242, _4765230) , link (
  _4765266, _4765254) , root (5) , root (4) , root (3) , root (2) ,
  root (1) , [] ]
[ find (1, _4765218) , find (2, _4765242) , find (5, _4765266) , link (
  _4765194, _4765182) , link (_4765218, _4765206) , link (
  _4765242, _4765230) , link (_4765266, _4765254) , root (5) ,
  root (4) , root (3) , root (2) , root (1) , found (4, _4765194) ,
  found (5, _4765206) , found (1, _4765182) , found (3, _4765230) ,
  found (2, _4765254) , [] ]
[ find (1, _4765218) , link (_4765194, _4765182) , link (_4765218,
  _4765206) , link (_4765242, _4765230) , link (_4765266,
  _4765254) , point (1,4) , root (5) , root (4) , root (3) , root (2) ,
  found (5, _4765266) , found (2, _4765242) , found (4, _4765194) ,
  found (5, _4765206) , found (1, _4765182) , found (3, _4765230) ,
  found (2, _4765254) , [] ]
[ find (4, _4765218) , link (_4765194, _4765182) , link (_4765218,
  _4765206) , link (_4765242, _4765230) , link (_4765266,
  _4765254) , point (2,5) , point (1,4) , root (5) , root (4) , root
  (3) , found (4, _4765182) , found (5, _4765266) , found (2,
  _4765242) , found (4, _4765194) , found (5, _4765206) , found (3,
  _4765230) , found (2, _4765254) , [] ]
[ link (_4765218, _4765206) , link (_4765242, _4765230) , link (
  _4765266, _4765254) , point (2,5) , point (1,4) , root (5) , root
  (4) , root (3) , found (5, _4765254) , found (4, _4765218) , found

```

```

(5,_4765242),found(5,_4765266),found(5,_4765206),found
(3,_4765230),[]
[link(_4765218,_4765206),link(_4765242,_4765230),point
(5,4),point(2,5),point(1,4),root(4),root(3),found(4,
_4765218),found(5,_4765242),found(5,_4765206),found(3,
_4765230),[]
[link(_4765218,_4765206),link(_4765242,_4765230),point
(5,4),point(2,5),point(1,4),root(4),root(3),found(4,
_4765206),found(4,_4765242),found(4,_4765218),found(3,
_4765230),[]
[link(_4765242,_4765230),point(3,4),point(5,4),point(2,5)
,point(1,4),root(4),found(4,_4765242),found(3,_4765230
),[]
[link(_4765242,_4765230),point(3,4),point(5,4),point(2,5)
,point(1,4),root(4),found(4,_4765230),found(4,_4765242
),[]
[point(3,4),point(5,4),point(2,5),point(1,4),root(4),[]

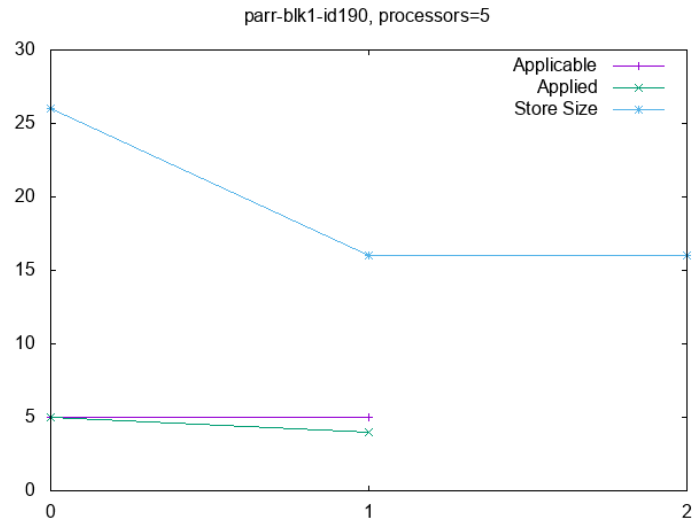
```



```

Store = Query = [ union (4,4) , union (3,4) , union (5,3) , union
                  (1,5) , union (1,1) , root (5) , root (4) , root (3) , root (2) , root
                  (1) , [] ]
[ union (4,4) , union (3,4) , union (5,3) , union (1,5) , union (1,1) ,
  root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
... (line too long)
... (line too long)
[ find (4,_4767266) , find (3,_4767290) , link (_4767230,_4767218
  ) , link (_4767254,_4767242) , link (_4767278,_4767266) , link
  (_4767302,_4767290) , point (5,1) , root (4) , root (3) , root (2)
  , root (1) , found (3,_4767278) , found (5,_4767302) , found (4,
  _4767218) , found (4,_4767230) , found (1,_4767254) , found (5,
  _4767242) , [] ]
[ link (_4767254,_4767242) , link (_4767278,_4767266) , link (
  _4767302,_4767290) , point (5,1) , root (4) , root (3) , root (2) ,
  root (1) , found (1,_4767302) , found (3,_4767290) , found (4,
  _4767266) , found (1,_4767242) , found (3,_4767278) , found (1,
  _4767254) , [] ]
[ link (_4767278,_4767266) , link (_4767302,_4767290) , point
  (4,3) , point (3,1) , point (5,1) , root (2) , root (1) , found (1,
  _4767302) , found (3,_4767290) , found (4,_4767266) , found (3,
  _4767278) , [] ]
[ link (_4767278,_4767266) , link (_4767302,_4767290) , point
  (4,3) , point (3,1) , point (5,1) , root (2) , root (1) , found (1,
  _4767290) , found (1,_4767278) , found (3,_4767266) , found (1,
  _4767302) , [] ]
[ link (_4767278,_4767266) , point (4,3) , point (3,1) , point (5,1)
  , root (2) , root (1) , found (1,_4767266) , found (1,_4767278)
  , [] ]
[ point (4,3) , point (3,1) , point (5,1) , root (2) , root (1) , [] ]

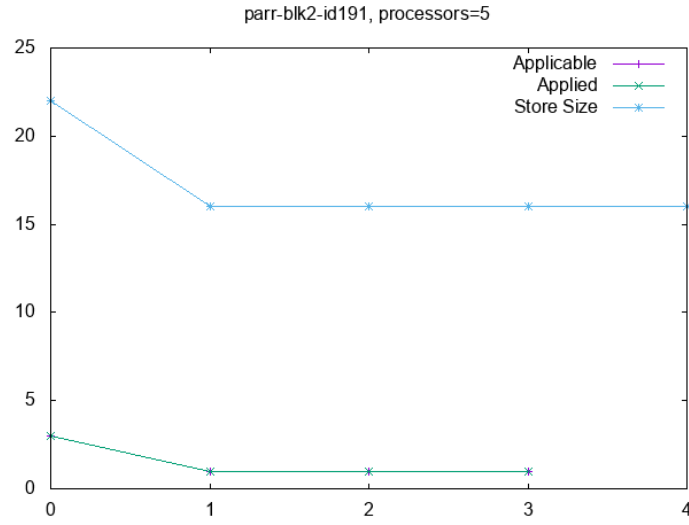
```

```

Store = Query = [grab(5,105),grab(4,104),grab(3,103),grab
(2,102),grab(1,101),empty(5),empty(4),empty(3),empty
(2),empty(1),clear(105),clear(104),clear(103),clear
(102),clear(101),on(105,5),on(104,4),on(103,3),on
(102,2),on(101,1),put(3,4),put(5,3),put(1,5),put(4,1),
put(3,4),[]]
... (line too long)
[clear(3),clear(5),clear(4),clear(2),clear(1),put(3,4),
put(5,3),put(1,5),put(4,1),put(3,4),hold(3,103),hold
(5,105),hold(4,104),hold(2,102),hold(1,101),[]]
[empty(1),empty(5),empty(4),empty(3),clear(101),clear
(105),clear(104),clear(103),clear(2),on(101,5),on
(105,3),on(104,1),on(103,4),put(3,4),hold(2,102),[]]

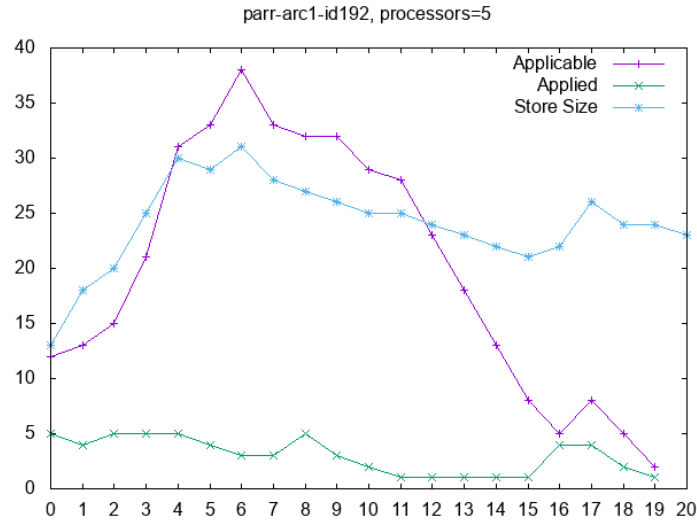
```



```

Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(1,3),put(2,1),put(2,2),put(5,2),put(3,5),[]]
... (line too long)
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(4),
  clear(6),put(1,3),put(2,1),put(2,2),put(5,2),put(3,5),
  hold(1,1),hold(3,3),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(5),empty(4),empty(2),clear(5),
  clear(4),clear(6),on(5,2),put(1,3),put(2,1),put(2,2),
  put(3,5),hold(1,1),hold(3,3),[]]
[grab(4,4),grab(2,2),empty(3),empty(5),empty(4),empty(2),
  clear(3),clear(4),clear(6),on(3,5),on(5,2),put(1,3),
  put(2,1),put(2,2),hold(1,1),[]]
[grab(4,4),grab(2,2),empty(1),empty(3),empty(5),empty(4),
  empty(2),clear(1),clear(4),clear(6),on(1,3),on(3,5),on
  (5,2),put(2,1),put(2,2),[]]

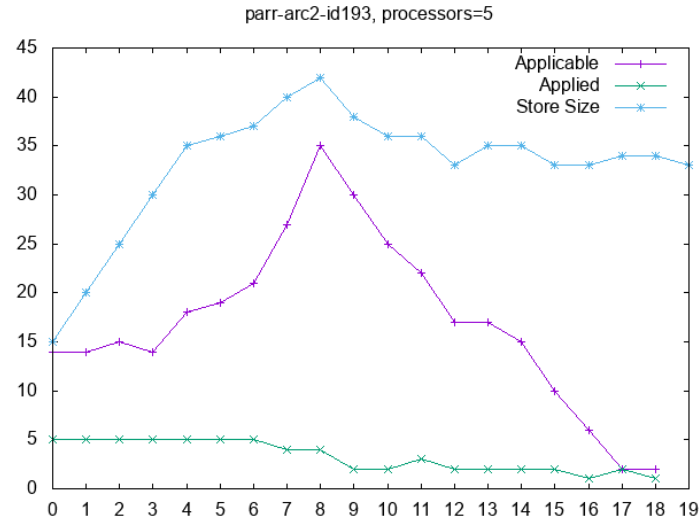
```



```

Store = Query = [ arc(2,4,6), arc(2,4,8), arc(3,4,4), arc
    (3,5,9), arc(2,5,11), arc(1,2,2), arc(1,4,13), arc(1,5,21)
    , arc(4,5,5), arc(3,4,4), arc(2,3,3), arc(1,2,2) , [] ]
[ arc(2,4,6), arc(2,4,8), arc(3,4,4), arc(3,5,9), arc(2,5,11) ,
    arc(1,2,2), arc(1,4,13), arc(1,5,21), arc(4,5,5), arc
    (3,4,4), arc(2,3,3), arc(1,2,2) , [] ]
[ arc(2,4,6), arc(2,4,8), arc(3,4,4), arc(3,5,9), arc(2,5,11) ,
    arc(1,2,2), arc(1,4,13), arc(1,5,21), arc(4,5,5), arc
    (3,4,4), arc(2,3,3), arc(1,2,2), path(1,2,2), path(3,5,9) ,
    path(2,5,11), path(3,4,4), path(1,2,2) , [] ]
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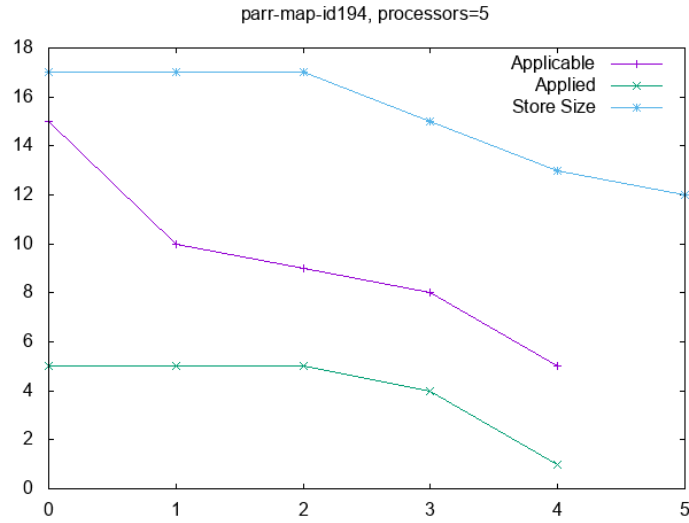
```



```

Store = Query = [ arc(1,5,17), arc(1,2,3), arc(2,3,4), arc
(3,4,5), arc(5,9,25), arc(4,9,34), arc(3,9,45), arc
(2,9,58), arc(1,9,73), arc(0,5,25), arc(0,4,16), arc
(0,3,9), arc(0,2,4), arc(0,1,1), [] ]
[ arc(1,5,17), arc(1,2,3), arc(2,3,4), arc(3,4,5), arc(5,9,25)
, arc(4,9,34), arc(3,9,45), arc(2,9,58), arc(1,9,73), arc
(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4), arc(0,1,1)
, [] ]
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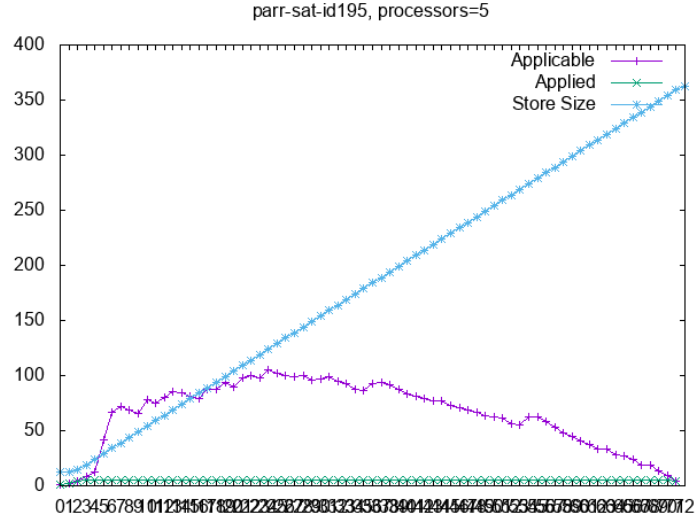
```



```

Store = Query = [mapreduce(cw,cw),data(3),data(4),data(5)
, data(1),data(6),data(10),data(9),data(3),data(2),data
(1),data(4),data(8),data(2),data(5),data(7),[]]
[mapreduce(cw,cw),data(3),data(4),data(5),data(1),data(6)
,data(10),data(9),data(3),data(2),data(1),data(4),data
(8),data(2),data(5),data(7),[]]
[mapreduce(cw,cw),data(1),data(6),data(9),data(3),data(1)
,data(4),data(8),data(2),data(5),data(7),work(cw,4,1),
work(cw,3,1),work(cw,5,1),work(cw,2,1),work(cw,10,1)
,[]]
[mapreduce(cw,cw),data(6),data(9),data(3),data(4),data(5)
,work(cw,7,1),work(cw,2,1),work(cw,1,1),work(cw,8,1),
work(cw,1,1),work(cw,4,1),work(cw,3,1),work(cw,5,1),
work(cw,2,1),work(cw,10,1),[]]
[mapreduce(cw,cw),data(9),data(4),work(cw,5,1),work(cw
,2,2),work(cw,3,1),work(cw,1,2),work(cw,6,1),work(cw
,7,1),work(cw,8,1),work(cw,4,1),work(cw,3,1),work(cw
,5,1),work(cw,10,1),[]]
[mapreduce(cw,cw),work(cw,5,2),work(cw,4,1),work(cw,9,1),
work(cw,3,2),work(cw,2,2),work(cw,1,2),work(cw,6,1),
work(cw,7,1),work(cw,8,1),work(cw,4,1),work(cw,10,1)
,[]]
[mapreduce(cw,cw),work(cw,4,2),work(cw,5,2),work(cw,9,1),
work(cw,3,2),work(cw,2,2),work(cw,1,2),work(cw,6,1),
work(cw,7,1),work(cw,8,1),work(cw,10,1),[]]

```



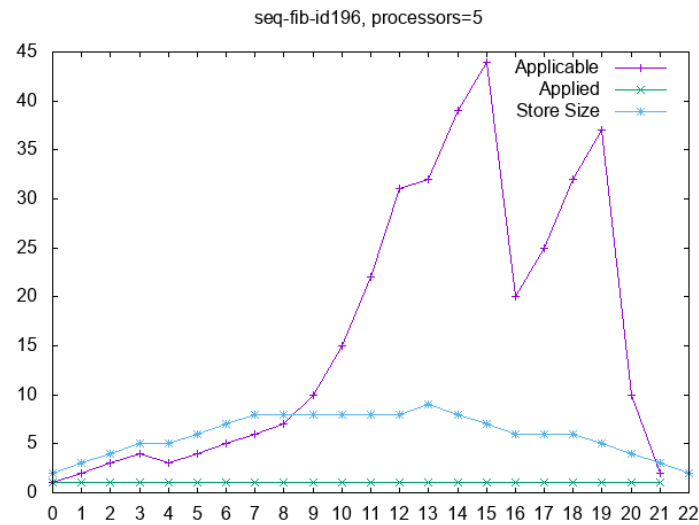
```

Store = Query = [ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 24 , or ( 2 , 4 ) ) , eq ( 12 ,
    or ( 1 , 2 ) ) , eq ( 51 , and ( 5 , 1 ) ) , eq ( 45 , or ( 4 , 5 ) ) , eq ( 54 , and ( 5 , 4 )
    ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v
    ( 1 ) ) , [ ] ]
[ f ([ 1 , 2 , 3 , 4 , 5 ] , [ ] ) , eq ( 24 , or ( 2 , 4 ) ) , eq ( 12 , or ( 1 , 2 ) ) , eq ( 51 ,
    and ( 5 , 1 ) ) , eq ( 45 , or ( 4 , 5 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq
    ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 2 , 3 , 4 , 5 ] , [ false ( 1 ) ] ) , f ([ 2 , 3 , 4 , 5 ] , [ true ( 1 ) ] ) , eq ( 24 , or
    ( 2 , 4 ) ) , eq ( 12 , or ( 1 , 2 ) ) , eq ( 51 , and ( 5 , 1 ) ) , eq ( 45 , or ( 4 , 5 ) ) ,
    eq ( 54 , and ( 5 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 ,
    v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 3 , 4 , 5 ] , [ false ( 2 ) , true ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) , true ( 1 )
    ] ) , f ([ 3 , 4 , 5 ] , [ false ( 2 ) , false ( 1 ) ] ) , f ([ 3 , 4 , 5 ] , [ true ( 2 ) ,
    false ( 1 ) ] ) , eq ( 24 , or ( 2 , 4 ) ) , eq ( 12 , or ( 1 , 2 ) ) , eq ( 51 , and
    ( 5 , 1 ) ) , eq ( 45 , or ( 4 , 5 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 5 , v ( 5 ) ) , eq ( 4 ,
    v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
[ f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) ,
    true ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , true ( 2 ) , true ( 1 ) ] )
    , f ([ 4 , 5 ] , [ true ( 3 ) , true ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ false ( 3 ) ,
    false ( 2 ) , false ( 1 ) ] ) , f ([ 4 , 5 ] , [ true ( 3 ) , false ( 2 ) , false ( 1 )
    ] ) , f ([ 4 , 5 ] , [ false ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , f ([ 4 , 5 ] , [ true
    ( 3 ) , false ( 2 ) , true ( 1 ) ] ) , eq ( 24 , or ( 2 , 4 ) ) , eq ( 12 , or ( 1 , 2 ) ) ,
    eq ( 51 , and ( 5 , 1 ) ) , eq ( 45 , or ( 4 , 5 ) ) , eq ( 54 , and ( 5 , 4 ) ) , eq ( 5 , v
    ( 5 ) ) , eq ( 4 , v ( 4 ) ) , eq ( 3 , v ( 3 ) ) , eq ( 2 , v ( 2 ) ) , eq ( 1 , v ( 1 ) ) , [ ] ]
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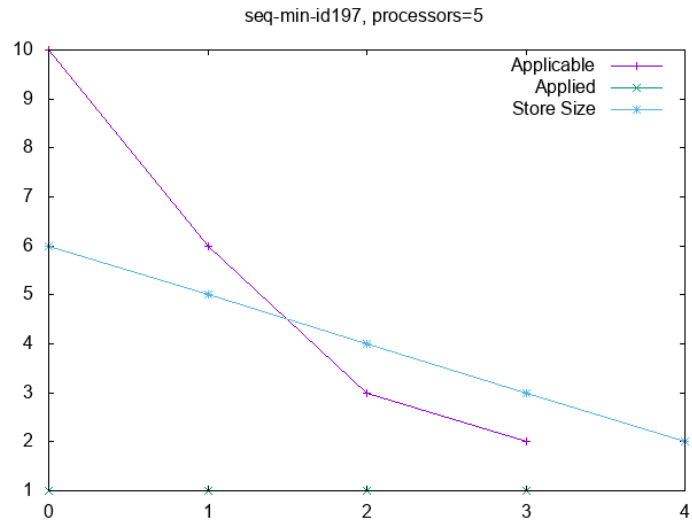
[illegible]

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250

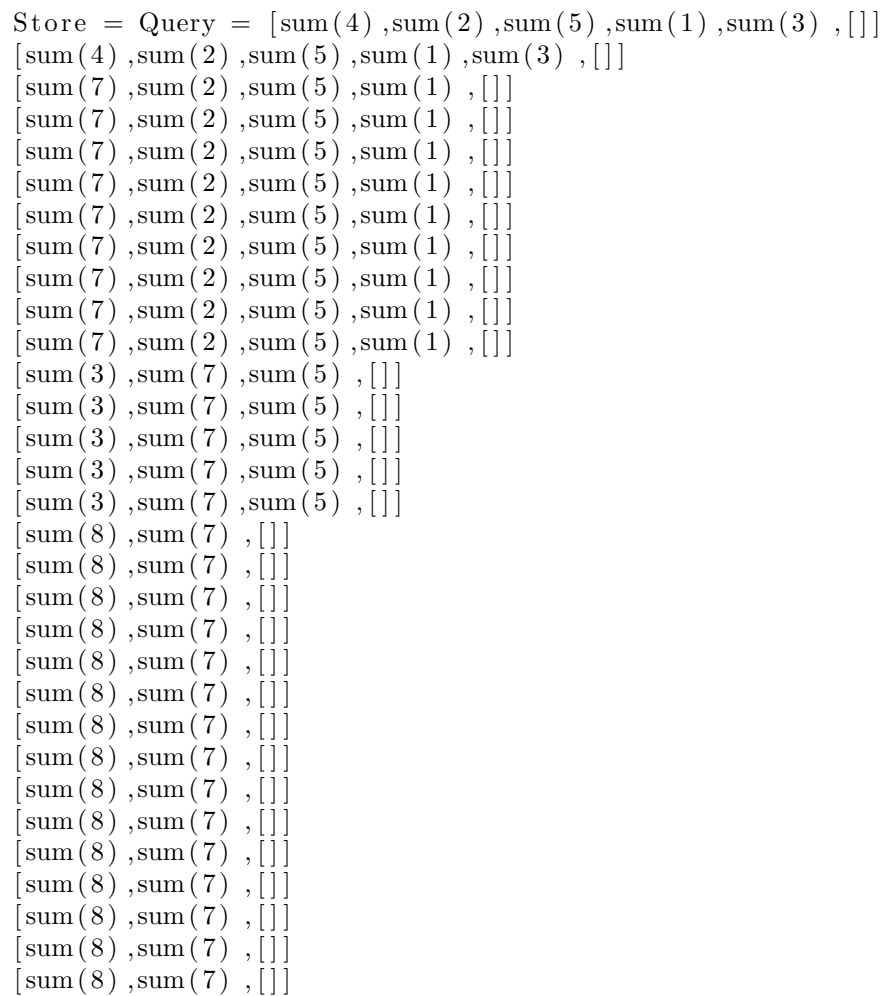
[sum(5),sum(3),[]]
[sum(5),sum(3),[]]
[sum(5),sum(3),[]]
[sum(5),sum(3),[]]
[sum(5),sum(3),[]]
[sum(5),sum(3),[]]
[sum(5),sum(3),[]]
[sum(5),sum(3),[]]
[sum(5),sum(3),[]]
[sum(8),[]]
[sum(8),[]]



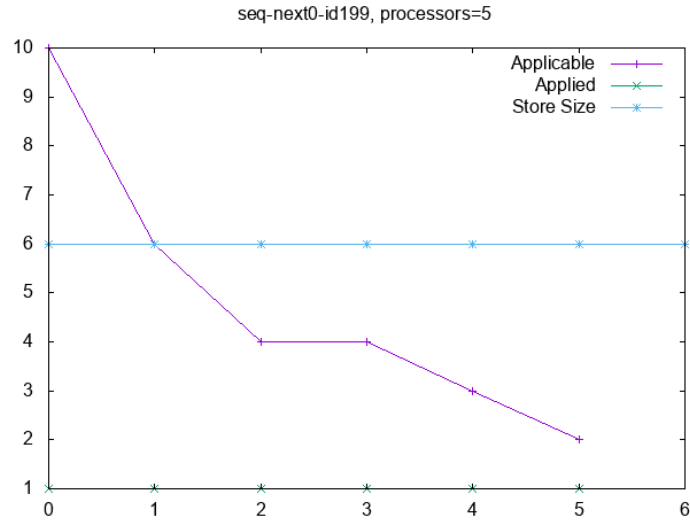
```

Store = Query = [min(3) ,min(2) ,min(1) ,min(5) ,min(4) ,[]]
[ min(3) ,min(2) ,min(1) ,min(5) ,min(4) ,[] ]
[ min(2) ,min(1) ,min(5) ,min(4) ,[] ]
[ min(2) ,min(1) ,min(5) ,min(4) ,[] ]
[ min(2) ,min(1) ,min(5) ,min(4) ,[] ]
[ min(2) ,min(1) ,min(5) ,min(4) ,[] ]
[ min(1) ,min(5) ,min(4) ,[] ]
[ min(1) ,min(5) ,min(4) ,[] ]
[ min(1) ,min(5) ,min(4) ,[] ]
[ min(1) ,min(5) ,[] ]
[ min(1) ,[] ]
[ min(1) ,[] ]

```



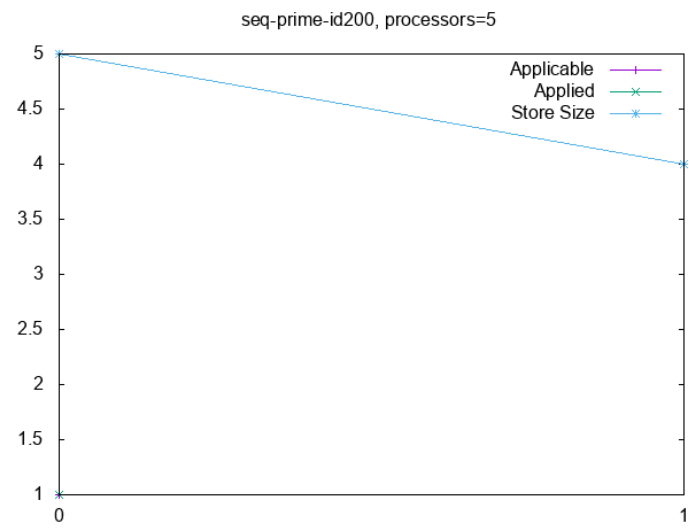
```
[sum(8),sum(7),[]]  
[sum(15),[]]  
[sum(15),[]]
```



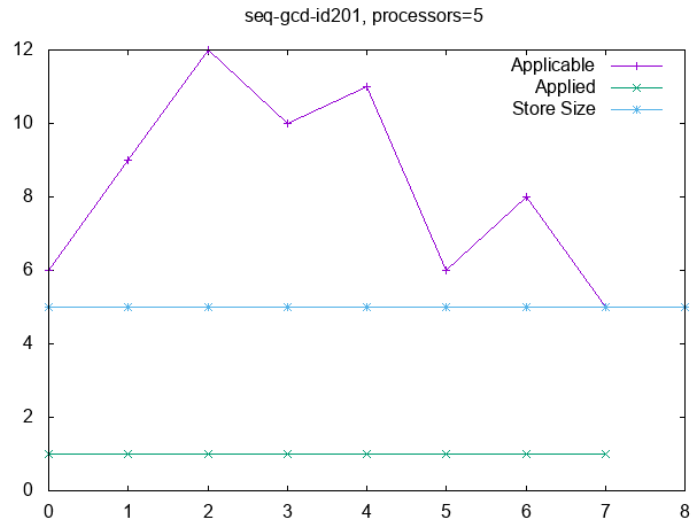
```

Store = Query = [ next(0,4) , next(0,5) , next(0,3) , next(0,1) ,
                  next(0,2) , [] ]
[ next(0,4) , next(0,5) , next(0,3) , next(0,1) , next(0,2) , [] ]
[ next(2,4) , next(0,5) , next(0,3) , next(0,1) , next(0,2) , [] ]
[ next(2,4) , next(0,5) , next(0,3) , next(0,1) , next(0,2) , [] ]
[ next(2,4) , next(0,5) , next(0,3) , next(0,1) , next(0,2) , [] ]
[ next(2,4) , next(0,5) , next(0,3) , next(0,1) , next(0,2) , [] ]
[ next(2,5) , next(2,4) , next(0,3) , next(0,1) , next(0,2) , [] ]
[ next(2,5) , next(2,4) , next(0,3) , next(0,1) , next(0,2) , [] ]
[ next(2,5) , next(2,4) , next(0,3) , next(0,1) , next(0,2) , [] ]
[ next(2,3) , next(2,5) , next(2,4) , next(0,1) , next(0,2) , [] ]
[ next(2,3) , next(2,5) , next(2,4) , next(0,1) , next(0,2) , [] ]
[ next(1,2) , next(2,3) , next(2,5) , next(2,4) , next(0,1) , [] ]
[ next(4,5) , next(1,2) , next(2,3) , next(2,4) , next(0,1) , [] ]
[ next(3,4) , next(4,5) , next(1,2) , next(2,3) , next(0,1) , [] ]
[ next(3,4) , next(4,5) , next(1,2) , next(2,3) , next(0,1) , [] ]

```



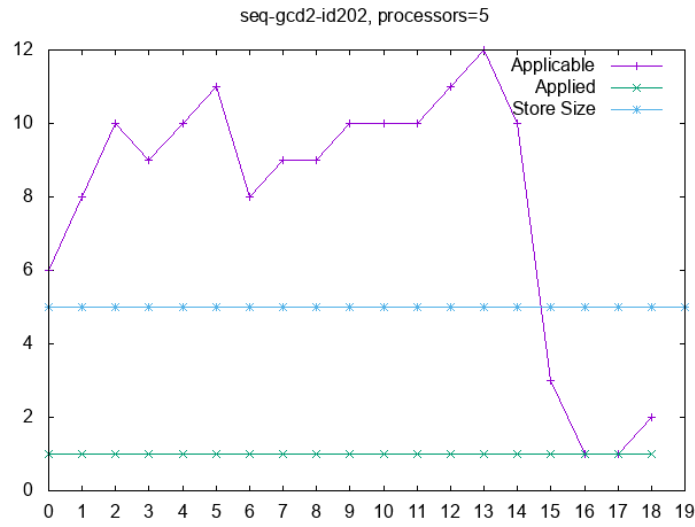
```
Store = Query = [prime(4),prime(2),prime(3),prime(5),[]]
[prime(4),prime(2),prime(3),prime(5),[]]
[prime(2),prime(3),prime(5),[]]
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```

Store = Query = [gcd(2),gcd(3),gcd(4),gcd(5),[]]
[gcd(2),gcd(3),gcd(4),gcd(5),[]]
[gcd(3),gcd(2),gcd(3),gcd(4),[]]
[gcd(2),gcd(3),gcd(2),gcd(3),[]]
[gcd(1),gcd(2),gcd(2),gcd(3),[]]
[gcd(1),gcd(2),gcd(2),gcd(3),[]]
[gcd(1),gcd(2),gcd(2),gcd(3),[]]
[gcd(1),gcd(2),gcd(2),gcd(3),[]]
[gcd(1),gcd(2),gcd(2),gcd(3),[]]
[gcd(1),gcd(1),gcd(2),gcd(2),[]]
[gcd(1),gcd(1),gcd(2),gcd(2),[]]
[gcd(1),gcd(1),gcd(2),gcd(2),[]]
[gcd(1),gcd(1),gcd(2),gcd(2),[]]
[gcd(0),gcd(1),gcd(1),gcd(2),[]]
[gcd(0),gcd(1),gcd(1),gcd(2),[]]
[gcd(0),gcd(1),gcd(1),gcd(2),[]]
[gcd(0),gcd(1),gcd(1),gcd(2),[]]
[gcd(1),gcd(0),gcd(1),gcd(1),[]]
[gcd(1),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(1),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]
[gcd(0),gcd(0),gcd(0),gcd(1),[]]

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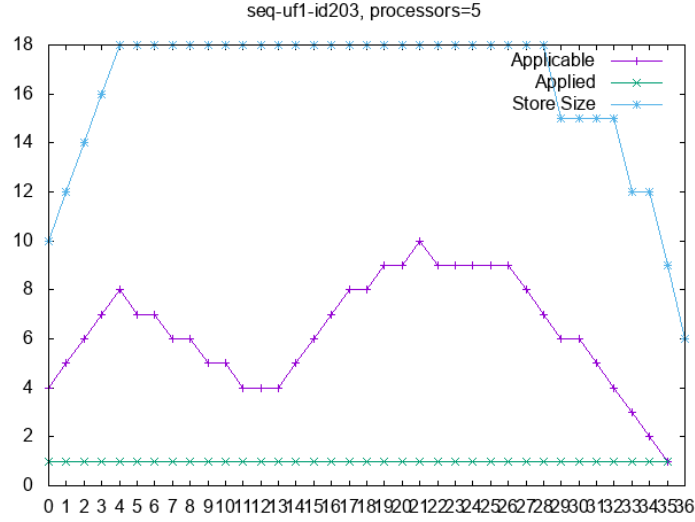


```

Store = Query = [gcd(5),gcd(16),gcd(11),gcd(7),[]]
[gcd(5),gcd(16),gcd(11),gcd(7),[]]
[gcd(2),gcd(5),gcd(16),gcd(11),[]]
[gcd(6),gcd(2),gcd(5),gcd(16),[]]
[gcd(11),gcd(6),gcd(2),gcd(5),[]]
[gcd(11),gcd(6),gcd(2),gcd(5),[]]
[gcd(11),gcd(6),gcd(2),gcd(5),[]]
[gcd(11),gcd(6),gcd(2),gcd(5),[]]
[gcd(9),gcd(6),gcd(2),gcd(5),[]]
[gcd(9),gcd(6),gcd(2),gcd(5),[]]
[gcd(3),gcd(9),gcd(6),gcd(2),[]]
[gcd(3),gcd(9),gcd(6),gcd(2),[]]
[gcd(4),gcd(3),gcd(9),gcd(2),[]]
[gcd(4),gcd(3),gcd(9),gcd(2),[]]
[gcd(4),gcd(3),gcd(9),gcd(2),[]]
[gcd(4),gcd(3),gcd(9),gcd(2),[]]
[gcd(4),gcd(3),gcd(9),gcd(2),[]]
[gcd(4),gcd(3),gcd(9),gcd(2),[]]
[gcd(7),gcd(4),gcd(3),gcd(2),[]]
[gcd(7),gcd(4),gcd(3),gcd(2),[]]
[gcd(1),gcd(7),gcd(4),gcd(2),[]]
[gcd(1),gcd(7),gcd(4),gcd(2),[]]
[gcd(1),gcd(7),gcd(4),gcd(2),[]]
[gcd(2),gcd(1),gcd(7),gcd(2),[]]
[gcd(2),gcd(1),gcd(7),gcd(2),[]]
[gcd(2),gcd(1),gcd(7),gcd(2),[]]
[gcd(5),gcd(2),gcd(1),gcd(2),[]]
[gcd(5),gcd(2),gcd(1),gcd(2),[]]
[gcd(5),gcd(2),gcd(1),gcd(2),[]]
[gcd(1),gcd(5),gcd(1),gcd(2),[]]
[gcd(1),gcd(5),gcd(1),gcd(2),[]]

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$[\gcd(1), \gcd(5), \gcd(1), \gcd(2), []]$
 $[\gcd(1), \gcd(5), \gcd(1), \gcd(2), []]$
 $[\gcd(1), \gcd(1), \gcd(5), \gcd(1), []]$
 $[\gcd(1), \gcd(1), \gcd(5), \gcd(1), []]$
 $[\gcd(1), \gcd(1), \gcd(5), \gcd(1), []]$
 $[\gcd(1), \gcd(1), \gcd(5), \gcd(1), []]$
 $[\gcd(4), \gcd(1), \gcd(1), \gcd(1), []]$
 $[\gcd(4), \gcd(1), \gcd(1), \gcd(1), []]$
 $[\gcd(0), \gcd(4), \gcd(1), \gcd(1), []]$
 $[\gcd(0), \gcd(4), \gcd(1), \gcd(1), []]$
 $[\gcd(0), \gcd(0), \gcd(4), \gcd(1), []]$
 $[\gcd(0), \gcd(0), \gcd(4), \gcd(1), []]$
 $[\gcd(0), \gcd(0), \gcd(4), \gcd(1), []]$
 $[\gcd(0), \gcd(0), \gcd(4), \gcd(1), []]$
 $[\gcd(0), \gcd(0), \gcd(4), \gcd(1), []]$
 $[\gcd(0), \gcd(0), \gcd(4), \gcd(1), []]$
 $[\gcd(0), \gcd(0), \gcd(4), \gcd(1), []]$
 $[\gcd(0), \gcd(0), \gcd(4), \gcd(1), []]$
 $[\gcd(3), \gcd(0), \gcd(0), \gcd(1), []]$
 $[\gcd(3), \gcd(0), \gcd(0), \gcd(1), []]$
 $[\gcd(3), \gcd(0), \gcd(0), \gcd(1), []]$
 $[\gcd(2), \gcd(0), \gcd(0), \gcd(1), []]$
 $[\gcd(1), \gcd(0), \gcd(0), \gcd(1), []]$
 $[\gcd(0), \gcd(0), \gcd(0), \gcd(1), []]$
 $[\gcd(0), \gcd(0), \gcd(0), \gcd(1), []]$



```

Store = Query = [ union (2,1) , union (5,2) , union (4,5) , union
                  (3,4) , root (5) , root (4) , root (3) , root (2) , root (1) , [] ]
[ union (2,1) , union (5,2) , union (4,5) , union (3,4) , root (5) , root
  (4) , root (3) , root (2) , root (1) , [] ]
[ union (5,2) , union (4,5) , union (3,4) , find (1, _5627606) , find
  (2, _5627618) , link (_5627618, _5627606) , root (5) , root (4) ,
  root (3) , root (2) , root (1) , [] ]
[ union (4,5) , union (3,4) , find (2, _5627758) , find (5, _5627770) ,
  find (1, _5627606) , find (2, _5627618) , link (_5627770,
    _5627758) , link (_5627618, _5627606) , root (5) , root (4) , root
  (3) , root (2) , root (1) , [] ]
[ union (3,4) , find (5, _5627934) , find (4, _5627946) , find (2,
  _5627758) , find (5, _5627770) , find (1, _5627606) , find (2,
  _5627618) , link (_5627946, _5627934) , link (_5627770,
  _5627758) , link (_5627618, _5627606) , root (5) , root (4) , root
  (3) , root (2) , root (1) , [] ]
[ find (4, _5628134) , find (3, _5628146) , find (5, _5627934) , find
  (4, _5627946) , find (2, _5627758) , find (5, _5627770) , find (1,
  _5627606) , find (2, _5627618) , link (_5628146, _5628134) ,
  link (_5627946, _5627934) , link (_5627770, _5627758) , link (
  _5627618, _5627606) , root (5) , root (4) , root (3) , root (2) ,
  root (1) , [] ]
[ find (4, _5628134) , find (3, _5628146) , find (5, _5627934) , find
  (4, _5627946) , find (2, _5627758) , find (5, _5627770) , find (2,
  _5627618) , link (_5628146, _5628134) , link (_5627946,
  _5627934) , link (_5627770, _5627758) , link (_5627618,
  _5627606) , root (5) , root (4) , root (3) , root (2) , root (1) ,
  found (1, _5627606) , [] ]
[ find (4, _5628134) , find (3, _5628146) , find (5, _5627934) , find
  (4, _5627946) , find (2, _5627758) , find (5, _5627770) , link (
  _5628146, _5628134) , link (_5627946, _5627934) , link (

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    _5627770, _5627758), link(_5627618, _5627606), root(5),
    root(4), root(3), root(2), root(1), found(2, _5627618),
    found(1, _5627606), []]
[ find(4, _5628134), find(3, _5628146), find(5, _5627934), find
(4, _5627946), find(5, _5627770), link(_5628146, _5628134),
link(_5627946, _5627934), link(_5627770, _5627758), link(
_5627618, _5627606), root(5), root(4), root(3), root(2),
root(1), found(2, _5627758), found(2, _5627618), found(1,
_5627606), []]
[ find(4, _5628134), find(3, _5628146), find(5, _5627934), find
(4, _5627946), link(_5628146, _5628134), link(_5627946,
_5627934), link(_5627770, _5627758), link(_5627618,
_5627606), root(5), root(4), root(3), root(2), root(1),
found(5, _5627770), found(2, _5627758), found(2, _5627618),
found(1, _5627606), []]
[ find(4, _5628134), find(3, _5628146), find(4, _5627946), link(
_5628146, _5628134), link(_5627946, _5627934), link(
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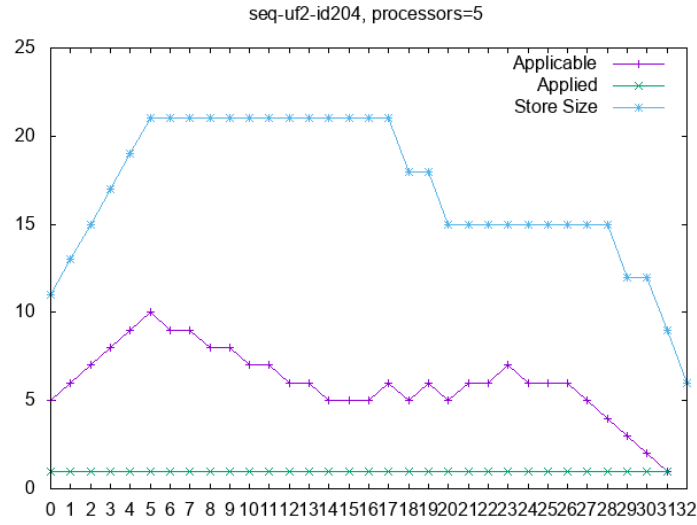
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root(4),root(3),root(2),root(1),[]]
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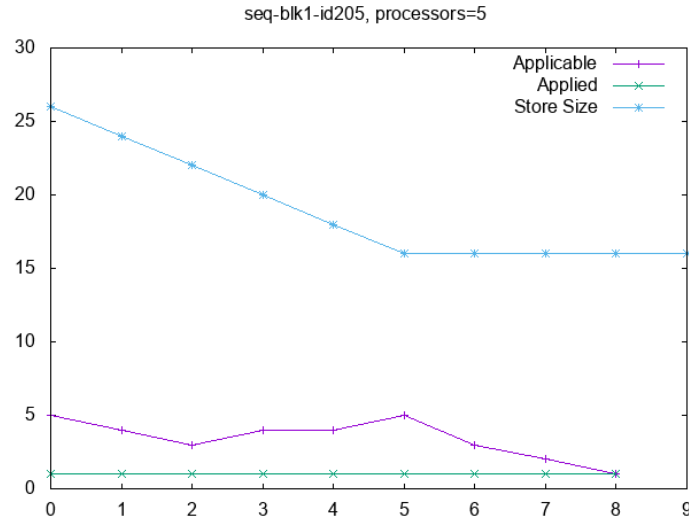
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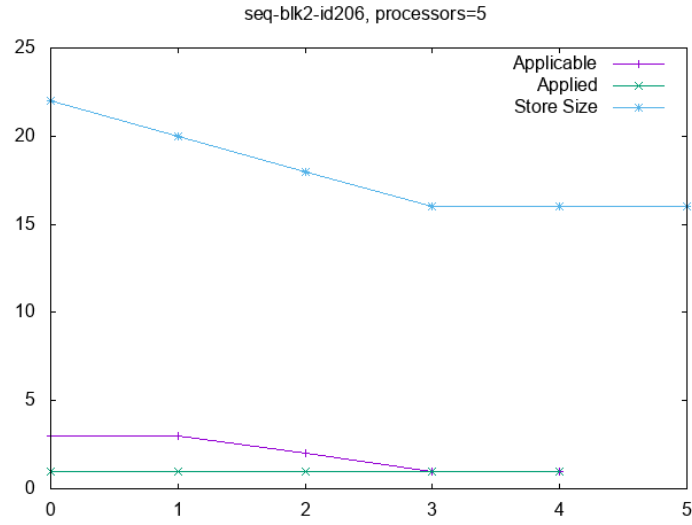


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  (102),clear(101),on(105,5),on(104,4),on(103,3),on
  (102,2),on(101,1),put(2,5),put(1,2),put(3,1),put(3,3),
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... (line too long)
... (line too long)
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(1,101),hold(2,102),hold(3,103),hold(5,105),[]]
[empty(4),clear(104),clear(1),clear(2),clear(4),clear(5),
on(104,3),put(2,5),put(1,2),put(3,1),put(3,3),hold
(1,101),hold(2,102),hold(3,103),hold(5,105),[]]
[empty(2),empty(4),clear(102),clear(104),clear(1),clear
(2),clear(4),on(102,5),on(104,3),put(1,2),put(3,1),put
(3,3),hold(1,101),hold(3,103),hold(5,105),[]]
[empty(3),empty(2),empty(4),clear(103),clear(102),clear
(104),clear(2),clear(4),on(103,1),on(102,5),on(104,3),
put(1,2),put(3,3),hold(1,101),hold(5,105),[]]
[empty(1),empty(3),empty(2),empty(4),clear(101),clear
(103),clear(102),clear(104),clear(4),on(101,2),on

```

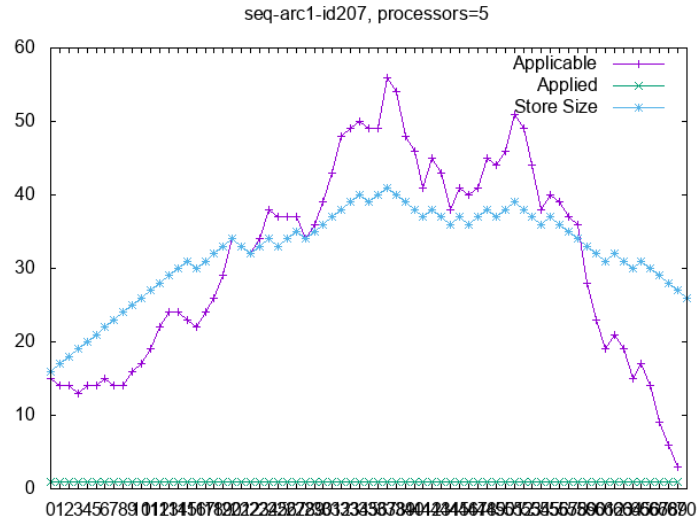
```
(103,1),on(102,5),on(104,3),put(3,3),hold(5,105),[]]
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Store = Query = [grab(5,5),grab(4,4),grab(3,3),grab(2,2),
  grab(1,1),empty(5),empty(4),empty(3),empty(2),empty(1)
  ,clear(5),clear(3),clear(1),on(5,6),on(3,4),on(1,2),
  put(2,4),put(3,2),put(5,3),put(3,5),put(4,3),[]]
... (line too long)
... (line too long)
[grab(4,4),grab(2,2),grab(1,1),empty(4),empty(2),empty(1)
  ,clear(4),clear(6),clear(1),on(1,2),put(2,4),put(3,2),
  put(5,3),put(3,5),put(4,3),hold(3,3),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(4),
  clear(6),put(2,4),put(3,2),put(5,3),put(3,5),put(4,3),
  hold(1,1),hold(3,3),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(4),empty(2),clear(2),clear(4),
  clear(6),put(2,4),put(3,2),put(5,3),put(3,5),put(4,3),
  hold(1,1),hold(3,3),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(3),empty(4),empty(2),clear(3),
  clear(4),clear(6),on(3,2),put(2,4),put(5,3),put(3,5),
  put(4,3),hold(1,1),hold(5,5),[]]
[grab(4,4),grab(2,2),empty(5),empty(3),empty(4),empty(2),
  clear(5),clear(4),clear(6),on(5,3),on(3,2),put(2,4),
  put(3,5),put(4,3),hold(1,1),[]]

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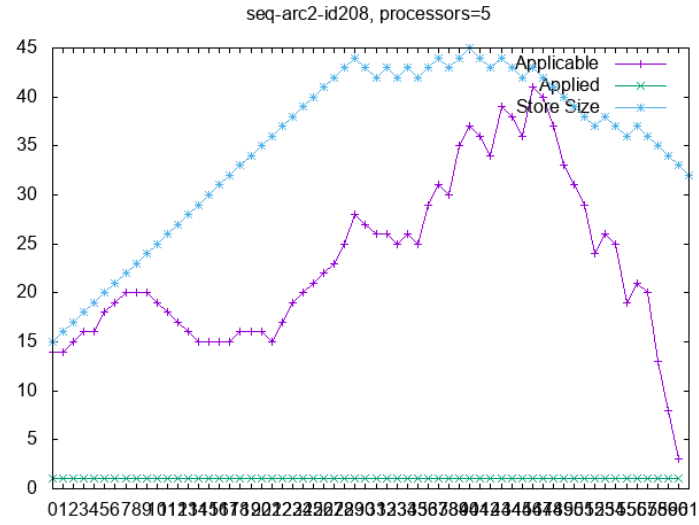
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Store = Query = [arc(1,4,13),arc(1,4,10),arc(1,3,7),arc
  (3,5,9),arc(2,5,11),arc(2,5,14),arc(1,5,17),arc
  (1,5,21),arc(3,5,7),arc(3,4,5),arc(1,5,21),arc(4,5,5),
  arc(3,4,4),arc(2,3,3),arc(1,2,2),[]]
[arc(1,4,13),arc(1,4,10),arc(1,3,7),arc(3,5,9),arc
  (2,5,11),arc(2,5,14),arc(1,5,17),arc(1,5,21),arc
  (3,5,7),arc(3,4,5),arc(1,5,21),arc(4,5,5),arc(3,4,4),
  arc(2,3,3),arc(1,2,2),[]]
[arc(1,4,13),arc(1,4,10),arc(1,3,7),arc(3,5,9),arc
  (2,5,11),arc(2,5,14),arc(1,5,17),arc(1,5,21),arc
  (3,5,7),arc(3,4,5),arc(1,5,21),arc(4,5,5),arc(3,4,4),
  arc(2,3,3),arc(1,2,2),path(1,4,13),[]]
[arc(1,4,13),arc(1,4,10),arc(1,3,7),arc(3,5,9),arc
  (2,5,11),arc(2,5,14),arc(1,5,17),arc(1,5,21),arc
  (3,5,7),arc(3,4,5),arc(1,5,21),arc(4,5,5),arc(3,4,4),
  arc(2,3,3),arc(1,2,2),path(1,4,10),path(1,4,13),[]]
[arc(1,4,13),arc(1,4,10),arc(1,3,7),arc(3,5,9),arc
  (2,5,11),arc(2,5,14),arc(1,5,17),arc(1,5,21),arc
  (3,5,7),arc(3,4,5),arc(1,5,21),arc(4,5,5),arc(3,4,4),
  arc(2,3,3),arc(1,2,2),path(1,3,7),path(1,4,10),path
  (1,4,13),[]]
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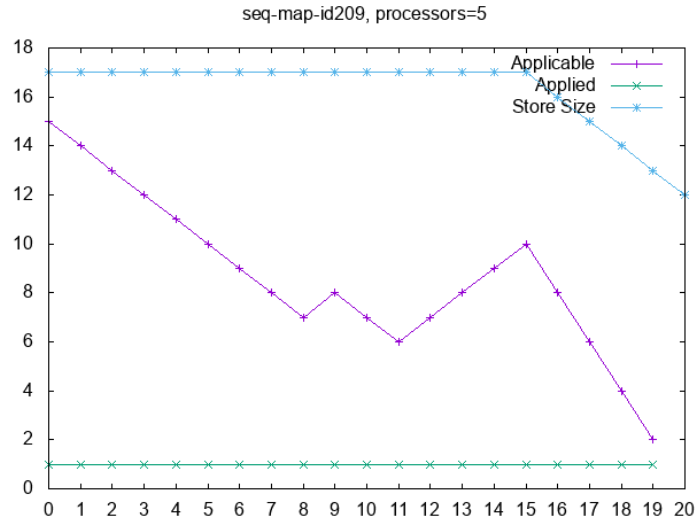


```

Store = Query = [ arc(1,4,13), arc(4,5,6), arc(3,5,7), arc
(2,3,3), arc(5,9,25), arc(4,9,34), arc(3,9,45), arc
(2,9,58), arc(1,9,73), arc(0,5,25), arc(0,4,16), arc
(0,3,9), arc(0,2,4), arc(0,1,1), [] ]
[ arc(1,4,13), arc(4,5,6), arc(3,5,7), arc(2,3,3), arc(5,9,25)
, arc(4,9,34), arc(3,9,45), arc(2,9,58), arc(1,9,73), arc
(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4), arc(0,1,1)
, [] ]
[ arc(1,4,13), arc(4,5,6), arc(3,5,7), arc(2,3,3), arc(5,9,25)
, arc(4,9,34), arc(3,9,45), arc(2,9,58), arc(1,9,73), arc
(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4), arc(0,1,1) ,
path(1,4,13) , [] ]
[ arc(1,4,13), arc(4,5,6), arc(3,5,7), arc(2,3,3), arc(5,9,25)
, arc(4,9,34), arc(3,9,45), arc(2,9,58), arc(1,9,73), arc
(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4), arc(0,1,1) ,
path(4,5,6), path(1,4,13) , [] ]
[ arc(1,4,13), arc(4,5,6), arc(3,5,7), arc(2,3,3), arc(5,9,25)
, arc(4,9,34), arc(3,9,45), arc(2,9,58), arc(1,9,73), arc
(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4), arc(0,1,1) ,
path(3,5,7), path(4,5,6), path(1,4,13) , [] ]
[ arc(1,4,13), arc(4,5,6), arc(3,5,7), arc(2,3,3), arc(5,9,25)
, arc(4,9,34), arc(3,9,45), arc(2,9,58), arc(1,9,73), arc
(0,5,25), arc(0,4,16), arc(0,3,9), arc(0,2,4), arc(0,1,1) ,
path(2,3,3), path(3,5,7), path(4,5,6), path(1,4,13) , [] ]
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Store = Query = [mapreduce(cw,cw),data(6),data(4),data(1)
, data(2),data(9),data(8),data(3),data(5),data(3),data
(7),data(10),data(2),data(4),data(1),data(5),[]]
[mapreduce(cw,cw),data(6),data(4),data(1),data(2),data(9)
, data(8),data(3),data(5),data(3),data(7),data(10),data
(2),data(4),data(1),data(5),[]]
[mapreduce(cw,cw),data(4),data(1),data(2),data(9),data(8)
, data(3),data(5),data(3),data(7),data(10),data(2),data
(4),data(1),data(5),work(cw,6,1),[]]
[mapreduce(cw,cw),data(1),data(2),data(9),data(8),data(3)
, data(5),data(3),data(7),data(10),data(2),data(4),data
(1),data(5),work(cw,4,1),work(cw,6,1),[]]
[mapreduce(cw,cw),data(2),data(9),data(8),data(3),data(5)
, data(3),data(7),data(10),data(2),data(4),data(1),data
(5),work(cw,1,1),work(cw,4,1),work(cw,6,1),[]]
[mapreduce(cw,cw),data(9),data(8),data(3),data(5),data(3)
, data(7),data(10),data(2),data(4),data(1),data(5),work
(cw,2,1),work(cw,1,1),work(cw,4,1),work(cw,6,1),[]]
[mapreduce(cw,cw),data(8),data(3),data(5),data(3),data(7)
, data(10),data(2),data(4),data(1),data(5),work(cw,9,1)
, work(cw,2,1),work(cw,1,1),work(cw,4,1),work(cw,6,1)
,[]]
[mapreduce(cw,cw),data(3),data(5),data(3),data(7),data
(10),data(2),data(4),data(1),data(5),work(cw,8,1),work
(cw,9,1),work(cw,2,1),work(cw,1,1),work(cw,4,1),work(
cw,6,1),[]]
[mapreduce(cw,cw),data(5),data(3),data(7),data(10),data
(2),data(4),data(1),data(5),work(cw,3,1),work(cw,8,1),
work(cw,9,1),work(cw,2,1),work(cw,1,1),work(cw,4,1),
work(cw,6,1),[]]
[mapreduce(cw,cw),data(3),data(7),data(10),data(2),data

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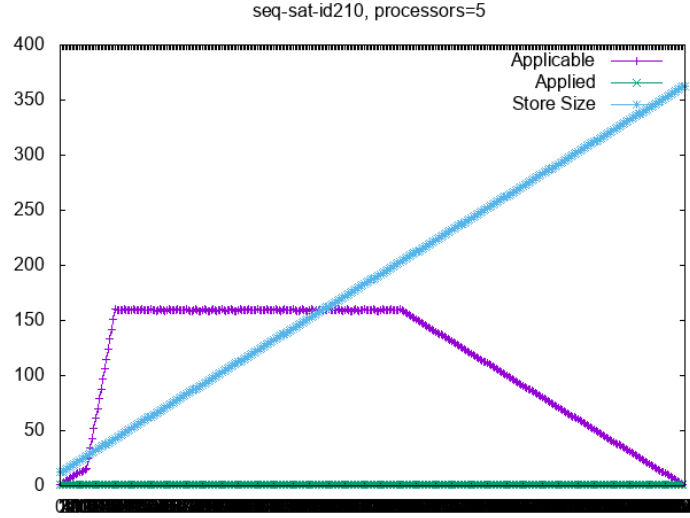
(4), data(1), data(5), work(cw,5,1), work(cw,3,1), work(cw
,8,1), work(cw,9,1), work(cw,2,1), work(cw,1,1), work(cw
,4,1), work(cw,6,1), []]
[mapreduce(cw,cw), data(7), data(10), data(2), data(4), data
(1), data(5), work(cw,3,1), work(cw,5,1), work(cw,3,1),
work(cw,8,1), work(cw,9,1), work(cw,2,1), work(cw,1,1),
work(cw,4,1), work(cw,6,1), []]
[mapreduce(cw,cw), data(10), data(2), data(4), data(1), data
(5), work(cw,7,1), work(cw,3,1), work(cw,5,1), work(cw
,3,1), work(cw,8,1), work(cw,9,1), work(cw,2,1), work(cw
,1,1), work(cw,4,1), work(cw,6,1), []]
[mapreduce(cw,cw), data(2), data(4), data(1), data(5), work(cw
,10,1), work(cw,7,1), work(cw,3,1), work(cw,5,1), work(cw
,3,1), work(cw,8,1), work(cw,9,1), work(cw,2,1), work(cw
,1,1), work(cw,4,1), work(cw,6,1), []]
[mapreduce(cw,cw), data(4), data(1), data(5), work(cw,2,1),
work(cw,10,1), work(cw,7,1), work(cw,3,1), work(cw,5,1),
work(cw,3,1), work(cw,8,1), work(cw,9,1), work(cw,2,1),
work(cw,1,1), work(cw,4,1), work(cw,6,1), []]
[mapreduce(cw,cw), data(1), data(5), work(cw,4,1), work(cw
,2,1), work(cw,10,1), work(cw,7,1), work(cw,3,1), work(cw
,5,1), work(cw,3,1), work(cw,8,1), work(cw,9,1), work(cw
,2,1), work(cw,1,1), work(cw,4,1), work(cw,6,1), []]
[mapreduce(cw,cw), data(5), work(cw,1,1), work(cw,4,1), work(
cw,2,1), work(cw,10,1), work(cw,7,1), work(cw,3,1), work(
cw,5,1), work(cw,3,1), work(cw,8,1), work(cw,9,1), work(cw
,2,1), work(cw,1,1), work(cw,4,1), work(cw,6,1), []]
[mapreduce(cw,cw), work(cw,5,1), work(cw,1,1), work(cw,4,1),
work(cw,2,1), work(cw,10,1), work(cw,7,1), work(cw,3,1),
work(cw,5,1), work(cw,3,1), work(cw,8,1), work(cw,9,1),
work(cw,2,1), work(cw,1,1), work(cw,4,1), work(cw,6,1)
, []]
[mapreduce(cw,cw), work(cw,3,2), work(cw,5,1), work(cw,1,1),
work(cw,4,1), work(cw,2,1), work(cw,10,1), work(cw,7,1),
work(cw,5,1), work(cw,8,1), work(cw,9,1), work(cw,2,1),
work(cw,1,1), work(cw,4,1), work(cw,6,1), []]
[mapreduce(cw,cw), work(cw,3,2), work(cw,5,1), work(cw,1,1),
work(cw,4,1), work(cw,2,1), work(cw,10,1), work(cw,7,1),
work(cw,5,1), work(cw,8,1), work(cw,9,1), work(cw,2,1),
work(cw,1,1), work(cw,4,1), work(cw,6,1), []]
[mapreduce(cw,cw), work(cw,2,2), work(cw,3,2), work(cw,5,1),
work(cw,1,1), work(cw,4,1), work(cw,10,1), work(cw,7,1),
work(cw,5,1), work(cw,8,1), work(cw,9,1), work(cw,1,1),
work(cw,4,1), work(cw,6,1), []]
[mapreduce(cw,cw), work(cw,2,2), work(cw,3,2), work(cw,5,1),
work(cw,1,1), work(cw,4,1), work(cw,10,1), work(cw,7,1),

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        work(cw,5,1),work(cw,8,1),work(cw,9,1),work(cw,1,1),
        work(cw,6,1),[]]
[mapreduce(cw,cw),work(cw,4,2),work(cw,2,2),work(cw,3,2),
work(cw,5,1),work(cw,1,1),work(cw,10,1),work(cw,7,1),
work(cw,5,1),work(cw,8,1),work(cw,9,1),work(cw,1,1),
work(cw,6,1),[]]
[mapreduce(cw,cw),work(cw,1,2),work(cw,4,2),work(cw,2,2),
work(cw,3,2),work(cw,5,1),work(cw,10,1),work(cw,7,1),
work(cw,5,1),work(cw,8,1),work(cw,9,1),work(cw,6,1)
,[]]
[mapreduce(cw,cw),work(cw,1,2),work(cw,4,2),work(cw,2,2),
work(cw,3,2),work(cw,5,1),work(cw,10,1),work(cw,7,1),
work(cw,5,1),work(cw,8,1),work(cw,9,1),work(cw,6,1)
,[]]
[mapreduce(cw,cw),work(cw,5,2),work(cw,1,2),work(cw,4,2),
work(cw,2,2),work(cw,3,2),work(cw,10,1),work(cw,7,1),
work(cw,8,1),work(cw,9,1),work(cw,6,1),[]]
[mapreduce(cw,cw),work(cw,5,2),work(cw,1,2),work(cw,4,2),
work(cw,2,2),work(cw,3,2),work(cw,10,1),work(cw,7,1),
work(cw,8,1),work(cw,9,1),work(cw,6,1),[]]

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Store = Query = [ f([1,2,3,4,5],[ ]),eq(34,or(3,4)),eq(23,
    or(2,3)),eq(12,or(1,2)),eq(51,and(5,1)),eq(45,or(4,5))
    ,eq(5,v(5)),eq(4,v(4)),eq(3,v(3)),eq(2,v(2)),eq(1,v(1))
    ),[ ]]
[ f([1,2,3,4,5],[ ]),eq(34,or(3,4)),eq(23,or(2,3)),eq(12,or
    (1,2)),eq(51,and(5,1)),eq(45,or(4,5)),eq(5,v(5)),eq(4,
    v(4)),eq(3,v(3)),eq(2,v(2)),eq(1,v(1)),[ ]]
[ f([2,3,4,5],[ false(1) ]),f([2,3,4,5],[ true(1) ]),eq(34,or
    (3,4)),eq(23,or(2,3)),eq(12,or(1,2)),eq(51,and(5,1)),
    eq(45,or(4,5)),eq(5,v(5)),eq(4,v(4)),eq(3,v(3)),eq(2,v
    (2)),eq(1,v(1)),[ ]]
[ f([3,4,5],[ false(2),false(1) ]),f([3,4,5],[ true(2),false
    (1) ]),f([2,3,4,5],[ true(1) ]),eq(34,or(3,4)),eq(23,or
    (2,3)),eq(12,or(1,2)),eq(51,and(5,1)),eq(45,or(4,5)),
    eq(5,v(5)),eq(4,v(4)),eq(3,v(3)),eq(2,v(2)),eq(1,v(1))
    ),[ ]]
[ f([3,4,5],[ false(2),true(1) ]),f([3,4,5],[ true(2),true(1)
    ]),f([3,4,5],[ false(2),false(1) ]),f([3,4,5],[ true(2),
    false(1) ]),eq(34,or(3,4)),eq(23,or(2,3)),eq(12,or(1,2))
    ,eq(51,and(5,1)),eq(45,or(4,5)),eq(5,v(5)),eq(4,v(4))
    ,eq(3,v(3)),eq(2,v(2)),eq(1,v(1)),[ ]]
[ f([4,5],[ false(3),false(2),false(1) ]),f([4,5],[ true(3),
    false(2),false(1) ]),f([3,4,5],[ false(2),true(1) ]),f
    ([3,4,5],[ true(2),true(1) ]),f([3,4,5],[ true(2),false
    (1) ]),eq(34,or(3,4)),eq(23,or(2,3)),eq(12,or(1,2)),eq
    (51,and(5,1)),eq(45,or(4,5)),eq(5,v(5)),eq(4,v(4)),eq
    (3,v(3)),eq(2,v(2)),eq(1,v(1)),[ ]]
[ f([4,5],[ false(3),true(2),false(1) ]),f([4,5],[ true(3),
    true(2),false(1) ]),f([4,5],[ false(3),false(2),false(1)
    ]),f([4,5],[ true(3),false(2),false(1) ]),f([3,4,5],[
    false(2),true(1) ]),f([3,4,5],[ true(2),true(1) ]),eq(34,

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