

The diagram illustrates a Petri net structure with three main components: a Node list, a set of Edge types, and a set of Activities.

Node list: A vertical list of eight nodes, labeled Node 0 through Node 7.

Edge types: A vertical list of three edge types: :CORR, :DF, and No edge.

Activities: A vertical list of five activities: Create Appl., Appl. Ready, Create Offer, Send Offer, and Offer Cancelled.

Connections:

- The Node list is connected to the Edge types by a vertical line.
- The Edge types are connected to the Activities by a vertical line.
- The Activities are connected to the Edge types by a vertical line.
- The Edge types are connected to the Activities by a vertical line.

Labels:

- Node list
- Edge types:
- :CORR attribute values of :DF edges:
- Edge direction:

Table 1: Node list

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6
Node 7

Table 2: Edge types

:CORR
:DF
No edge

Table 3: Activities

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

Table 4: :CORR attribute values of :DF edges

Application
Resource
Offer

Table 5: Edge direction

To target
To source



Node 0

E (0)

Create Appl.

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0)]

Step 2
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0

E (0)

Create Appl.

Step 3

Event

Application

Resource

Offer

No node

:CORR

:DF

No edge

Create Appl.

Appl. Ready

Create Offer

Send Offer

Offer Cancelled

Application

Resource

Offer

To target

To source

[(0, 0), (1, 0), (6, 4)]

Cardinality = #_edge_types * #_directions * #_nodes + 1

:CORR, To target, Node 0	:DF, To target, Node 0	:CORR, To source, Node 0	:DF, To source, Node 0	No edge
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Node 0
Node 1



E (0)

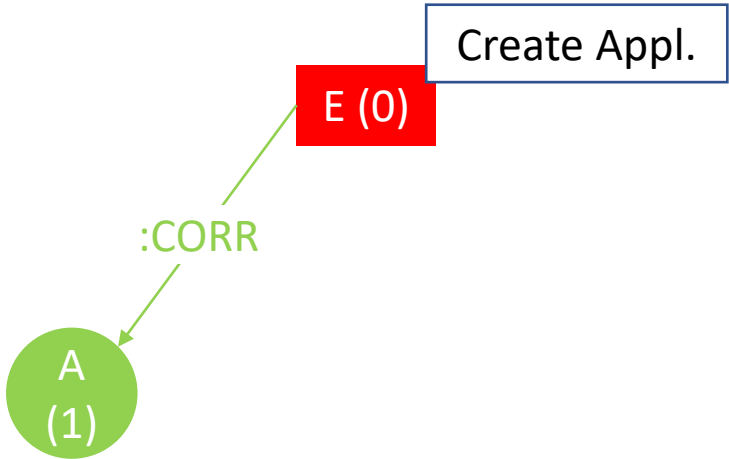
Create Appl.

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1)]

Step 4
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1



Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

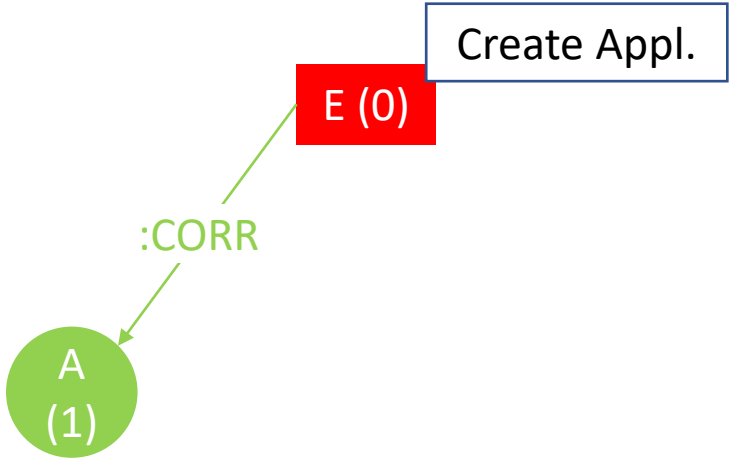
[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2)]

Cardinality = #_edge_types * #_directions * #_nodes + 1

:CORR, To target, Node 0	:DF, To target, Node 0	:CORR, To source, Node 0	:DF, To source, Node 0	:CORR, To target, Node 1	:DF, To target, Node 1	:CORR, To source, Node 1	:DF, To source, Node 1	No edge
--------------------------	------------------------	--------------------------	------------------------	--------------------------	------------------------	--------------------------	------------------------	---------

Step 5
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1



Step 6
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

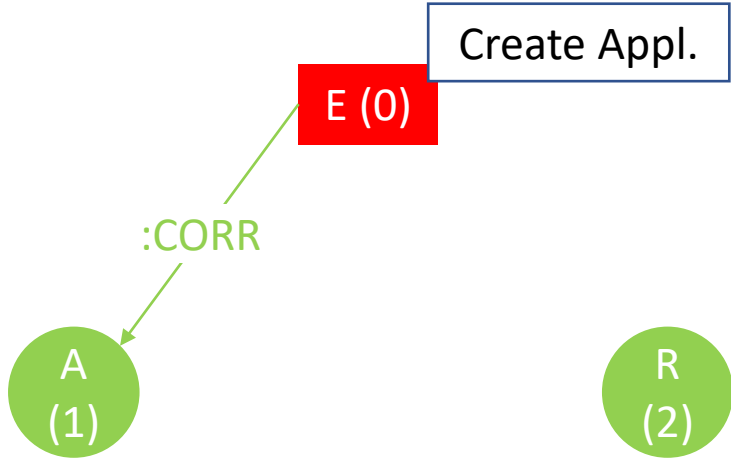
Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8)]

Cardinality = #_edge_types * #_directions * #_nodes + 1

:CORR, To target, Node 0	:DF, To target, Node 0	:CORR, To source, Node 0	:DF, To source, Node 0	:CORR, To target, Node 1	:DF, To target, Node 1	:CORR, To source, Node 1	:DF, To source, Node 1	No edge
--------------------------	------------------------	--------------------------	------------------------	--------------------------	------------------------	--------------------------	------------------------	---------

Node 0
Node 1
Node 2

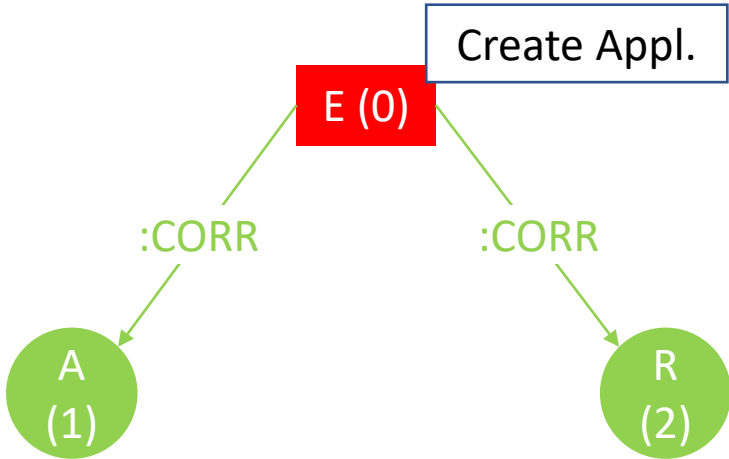


Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2)]

Step 7
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2



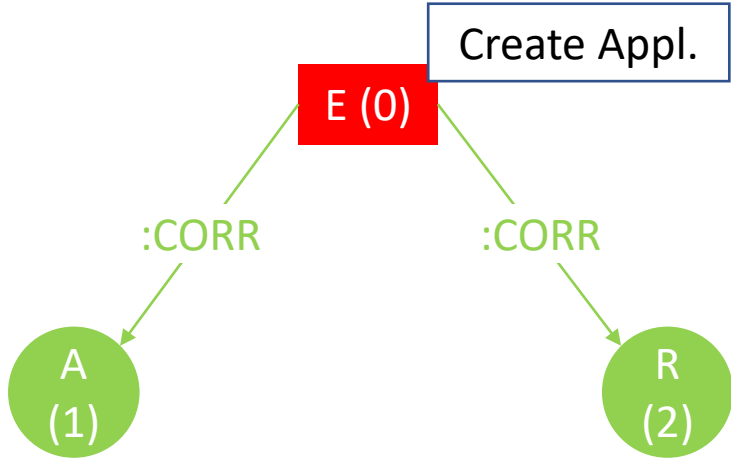
Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1)]

Cardinality = #_edge_types * #_directions * #_nodes + 1

Step 8
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2



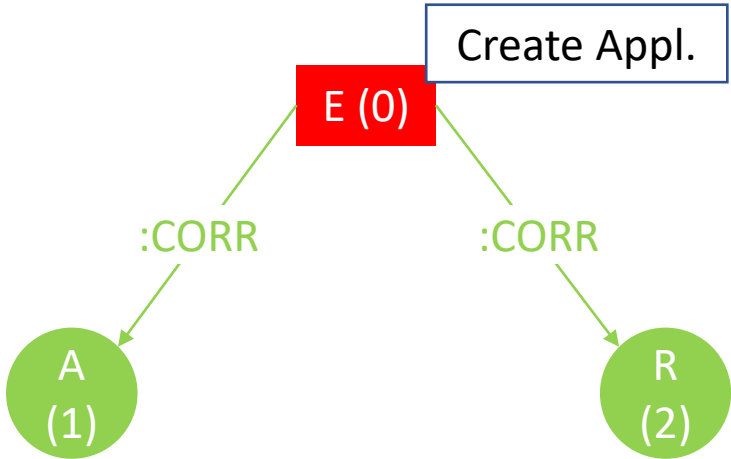
Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12)]

Cardinality = #_edge_types * #_directions * #_nodes + 1

Step 9
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3



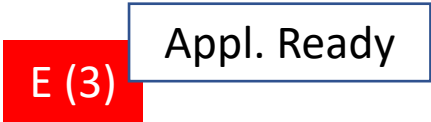
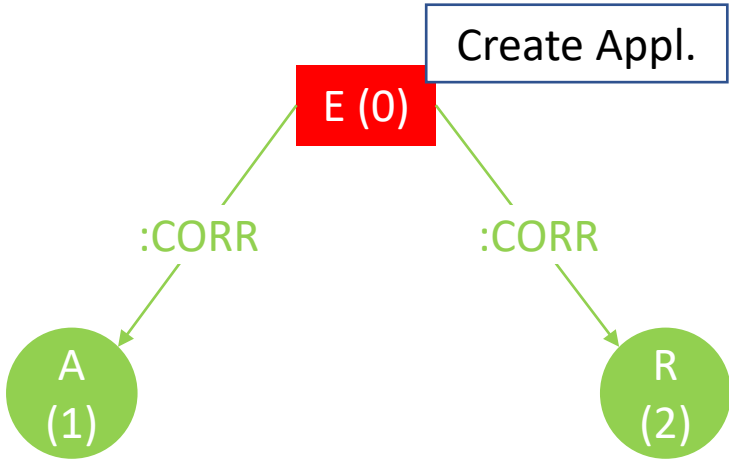
E (3)

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0)]

Step 10
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3

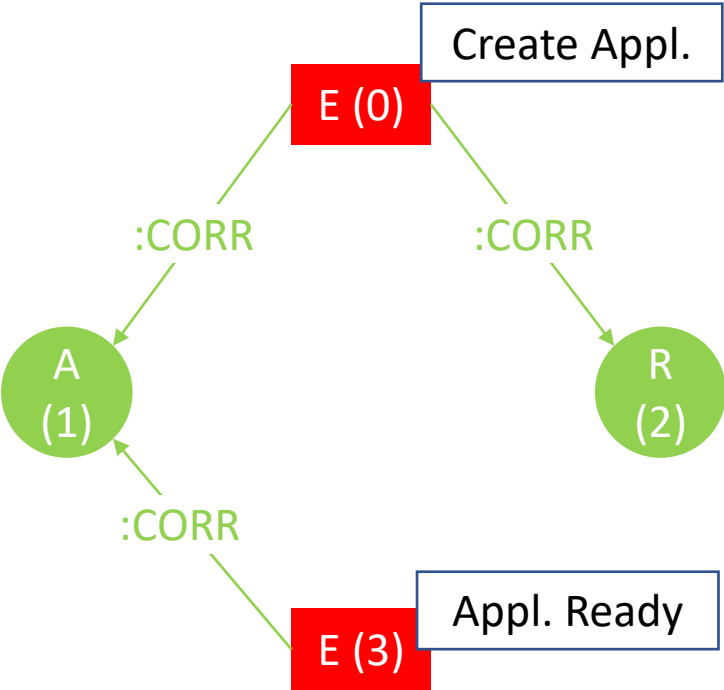


Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1)]

Step 11
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3

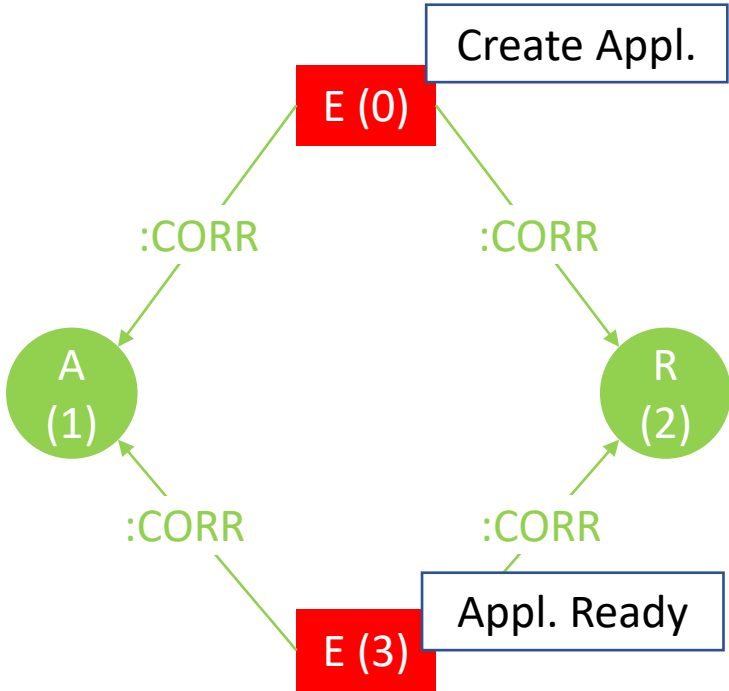


Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4)]

Step 12
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3



Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8)]

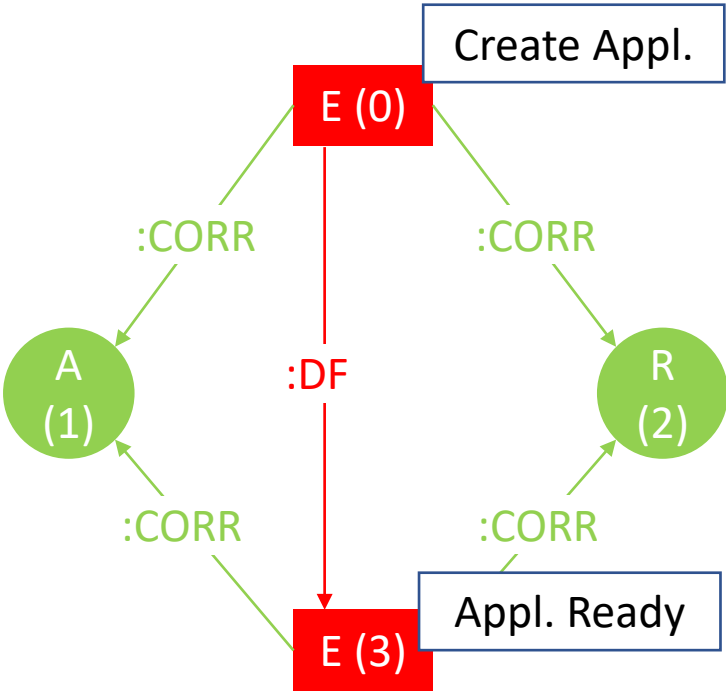
Step 13
Event
Application
Resource
Offer
No node

:CORR
:DF
No edge

Application
Resource
Offer

To target
To source

Node 0
Node 1
Node 2
Node 3

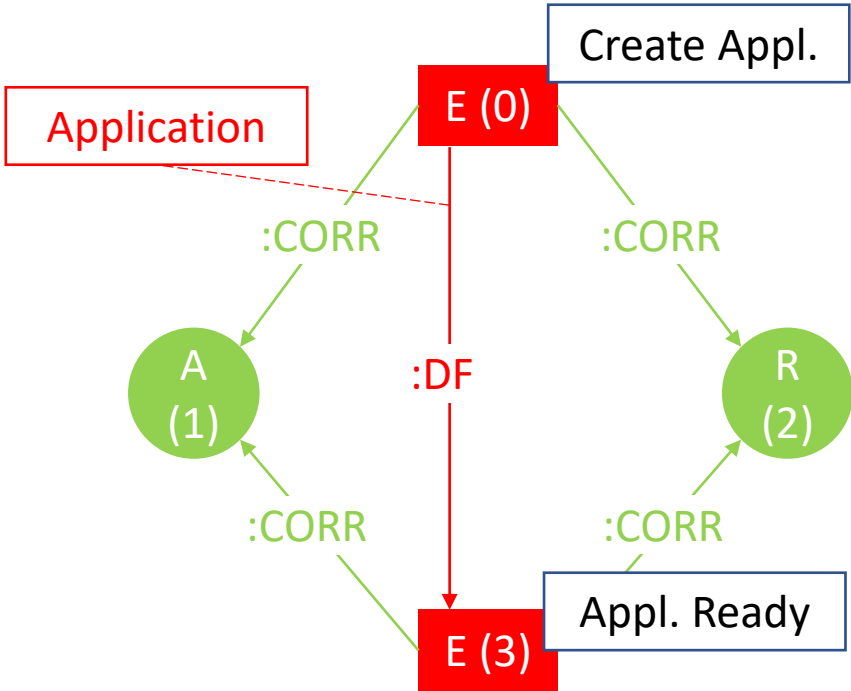


Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3)]

Step 14
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3



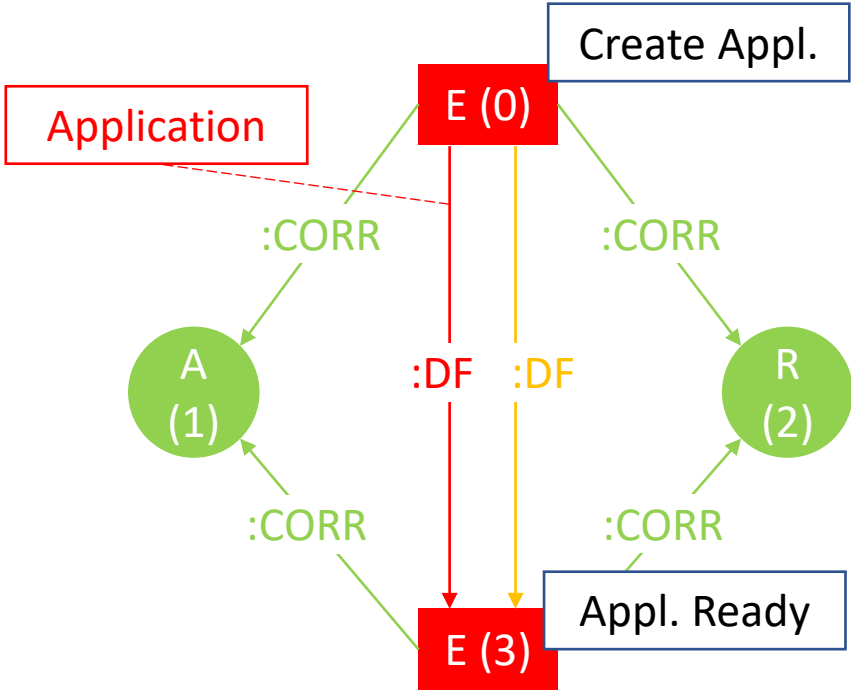
Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0)]

This step might be yet again problematic in implementation:
How to fill the DF-edge's (correlation) attribute a priori this prediction.

Step 15
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3

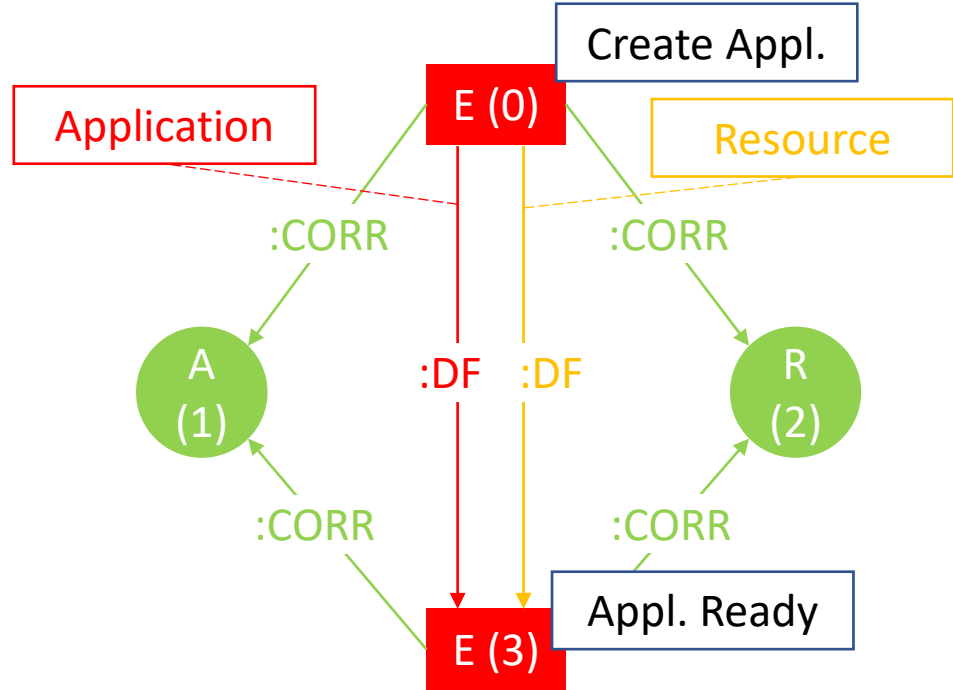


Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3)]

Step 16
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3

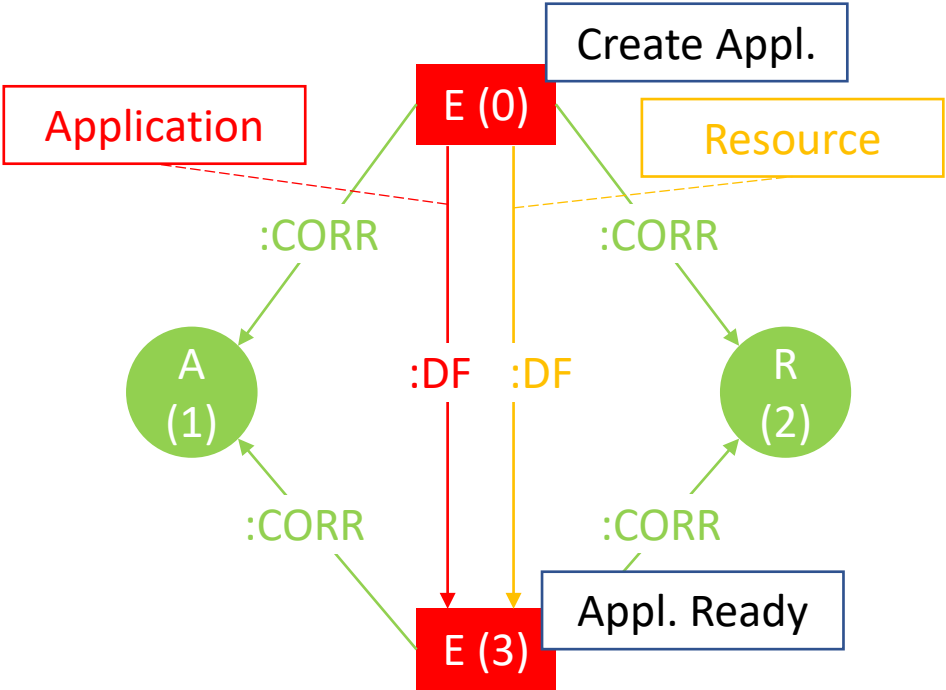


Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1)]

Step 17
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3

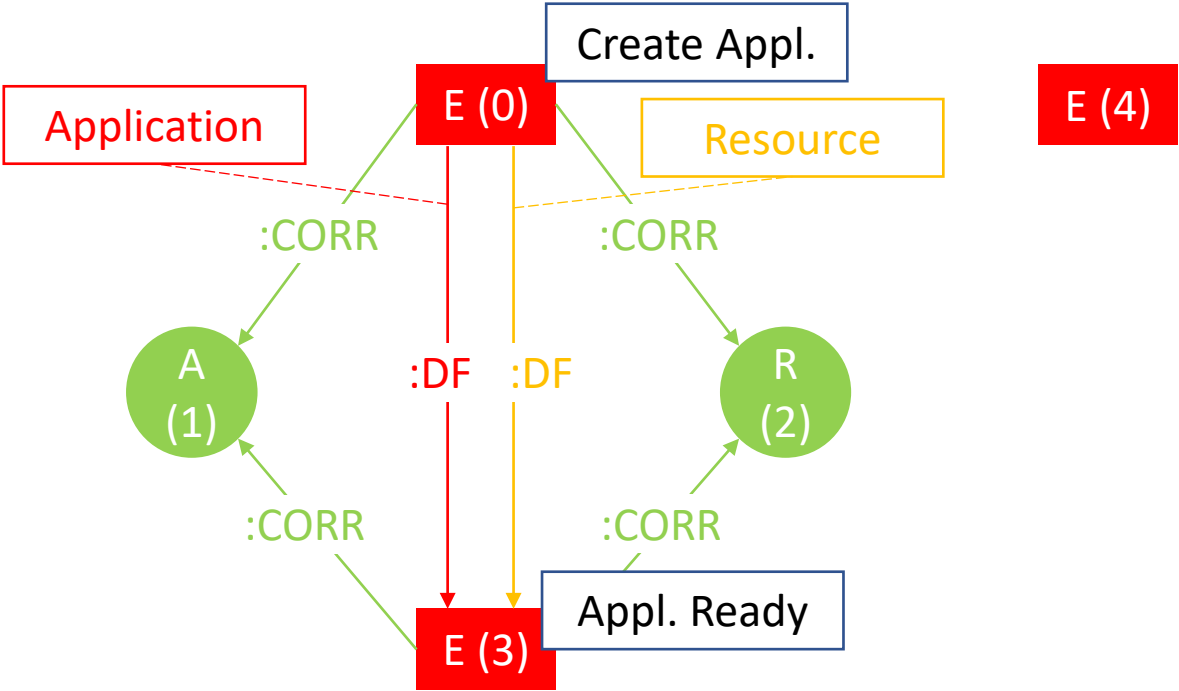


Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16)]

Step 18
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3
Node 4

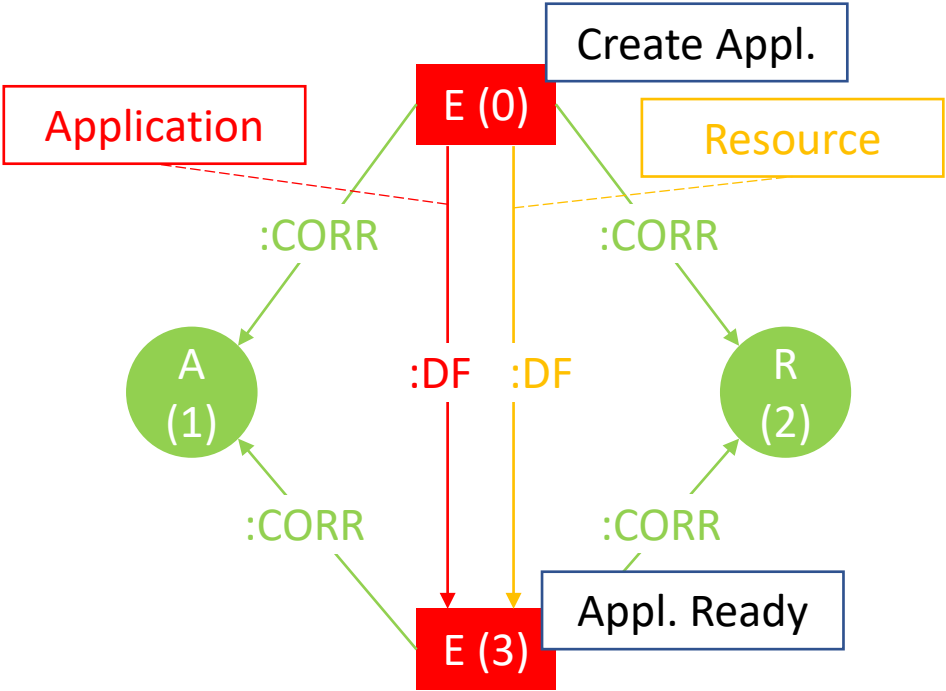


Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0)]

Step 19
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3
Node 4

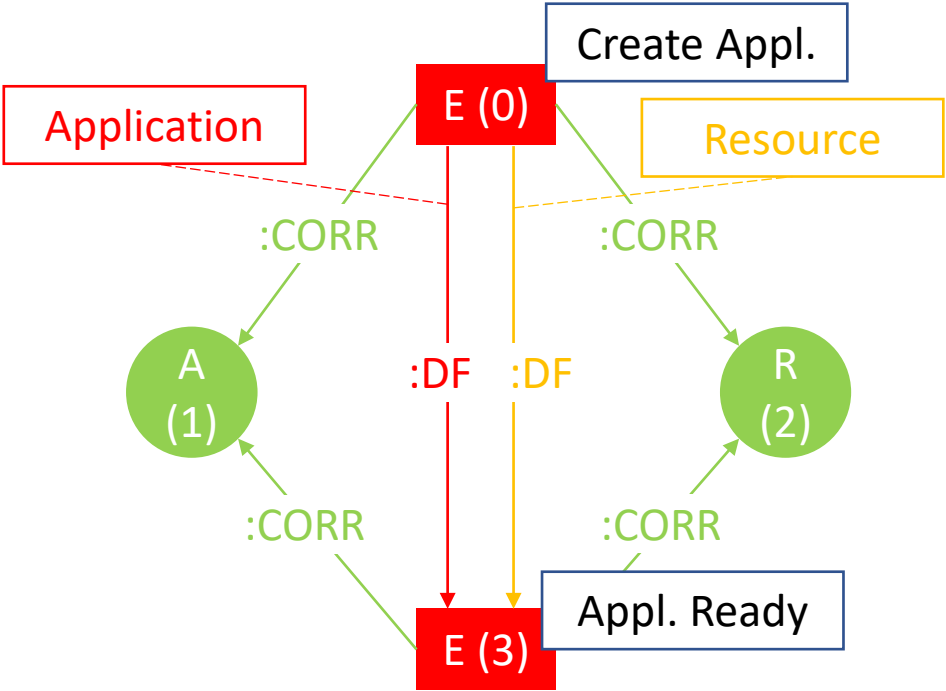


Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2)]

Step 20
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3
Node 4



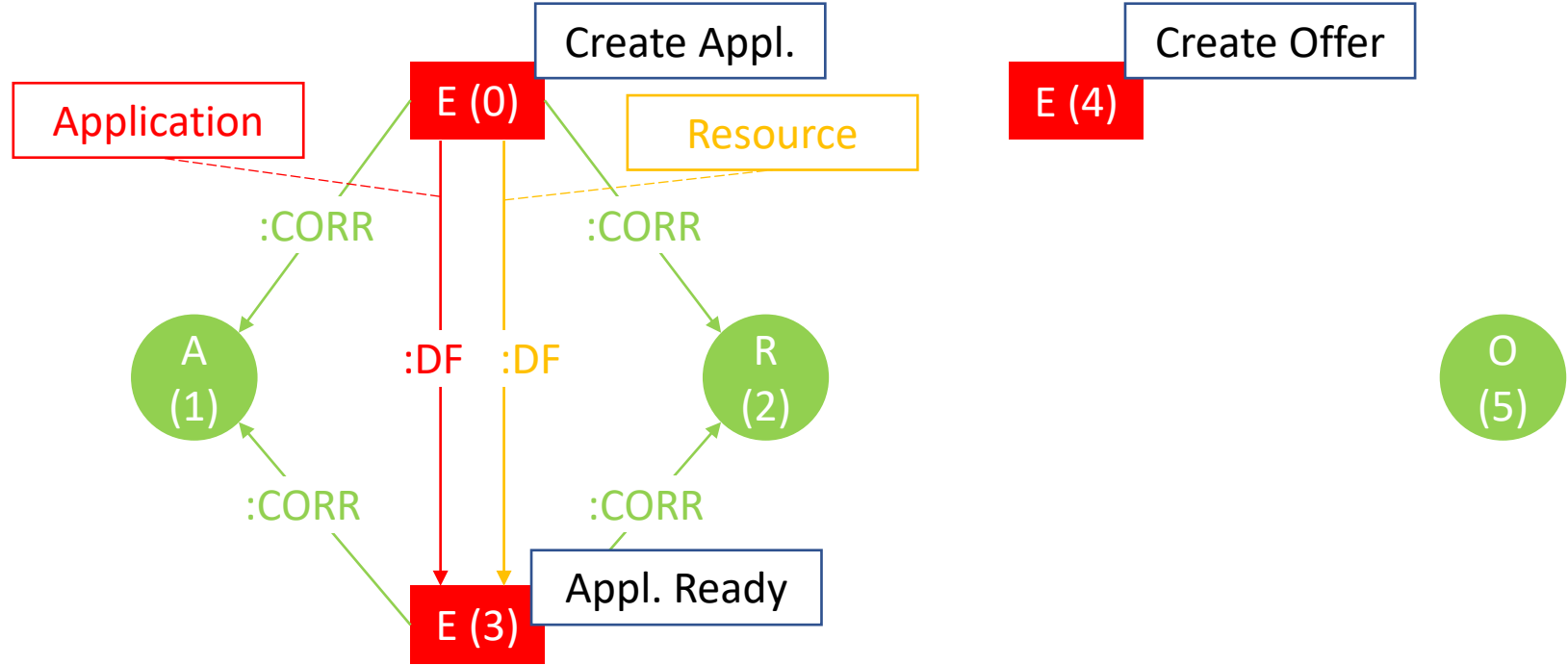
Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20)]

Step 21
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

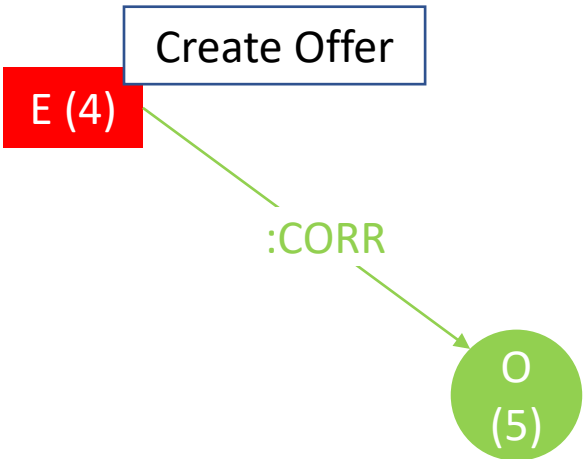
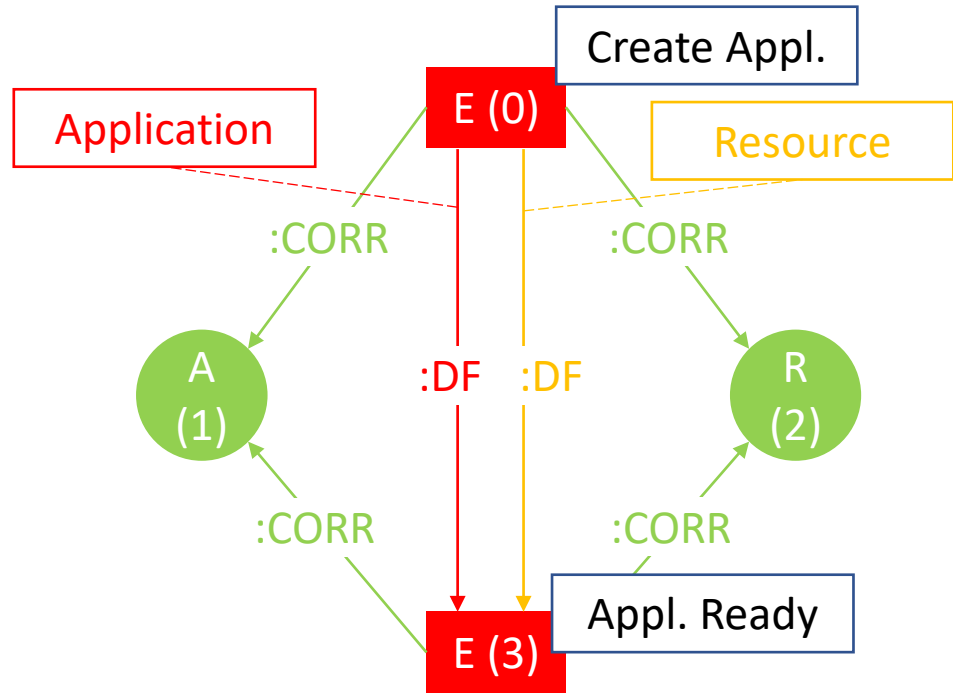


Step 22
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

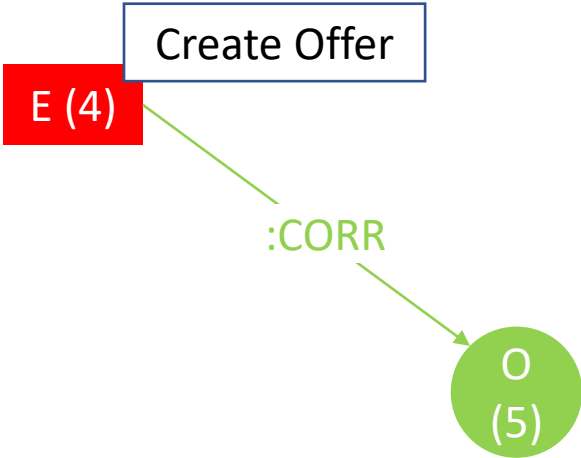
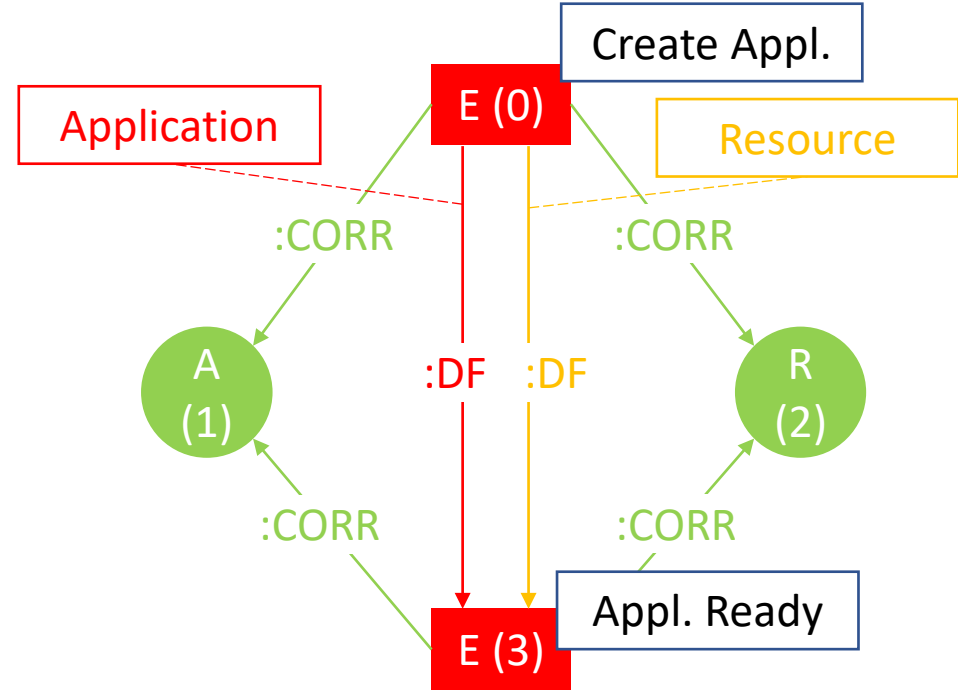


Step 23
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

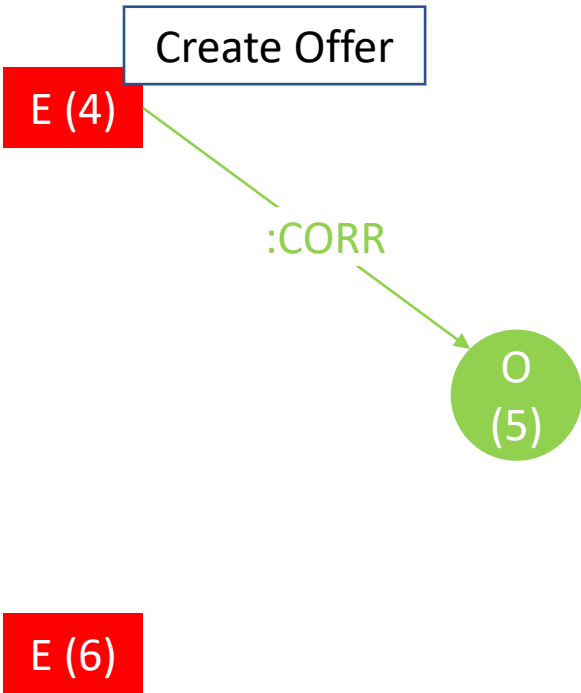
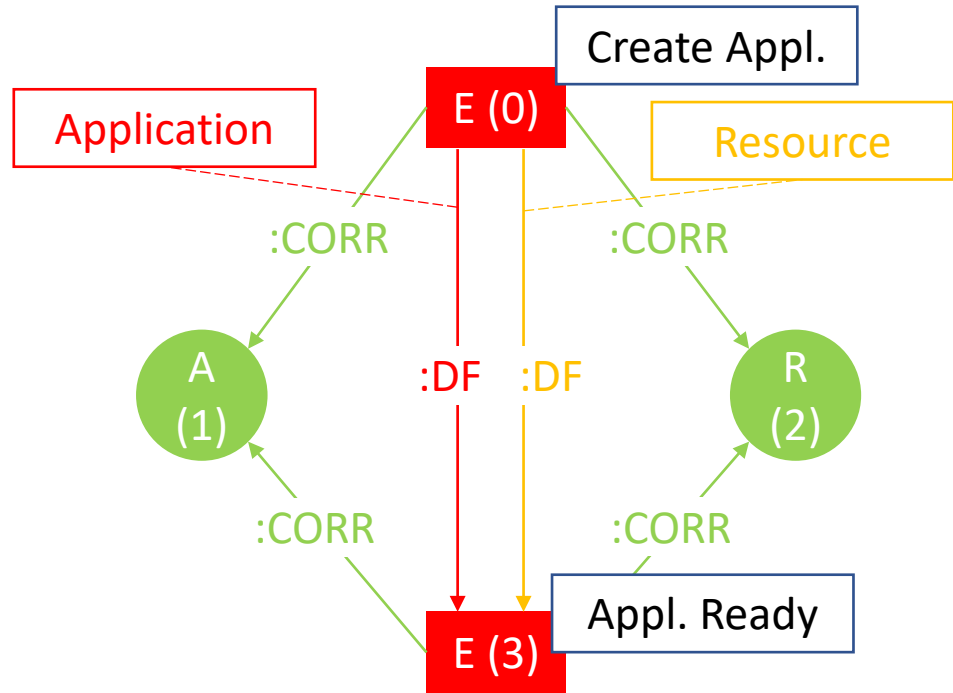


Step 24
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled



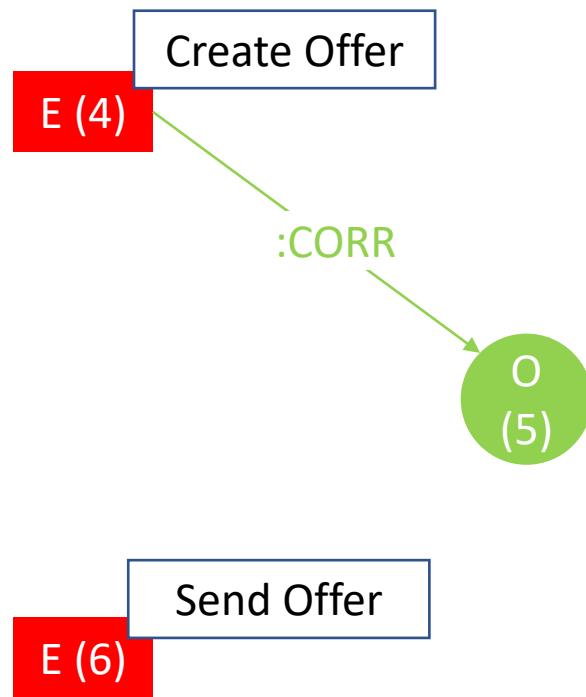
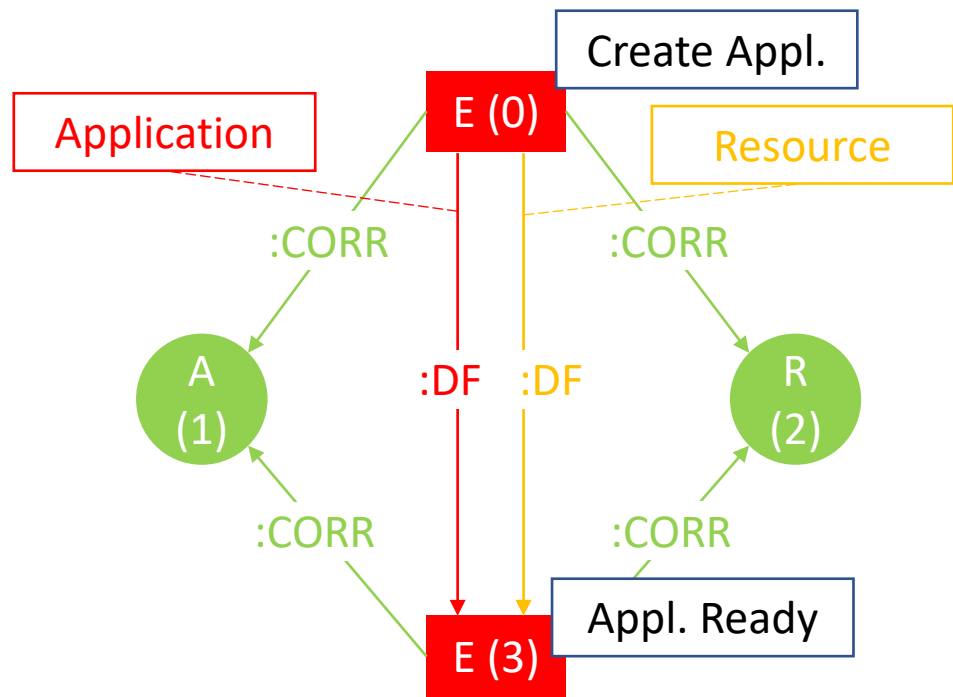
E (6)

Step 25
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

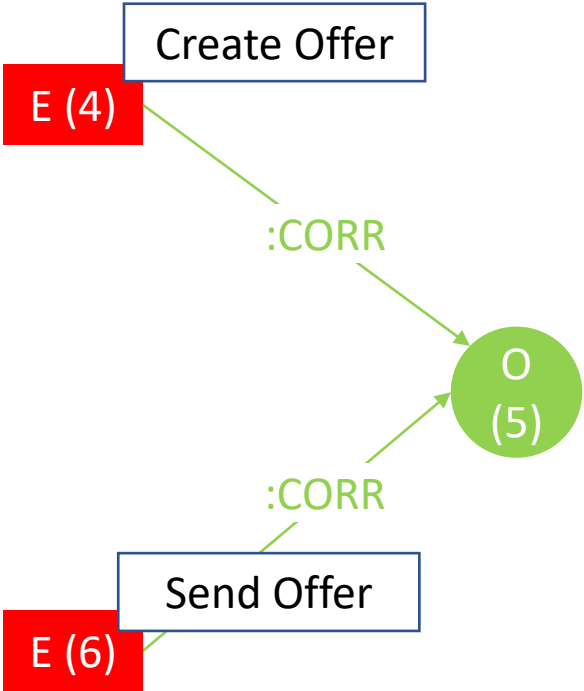
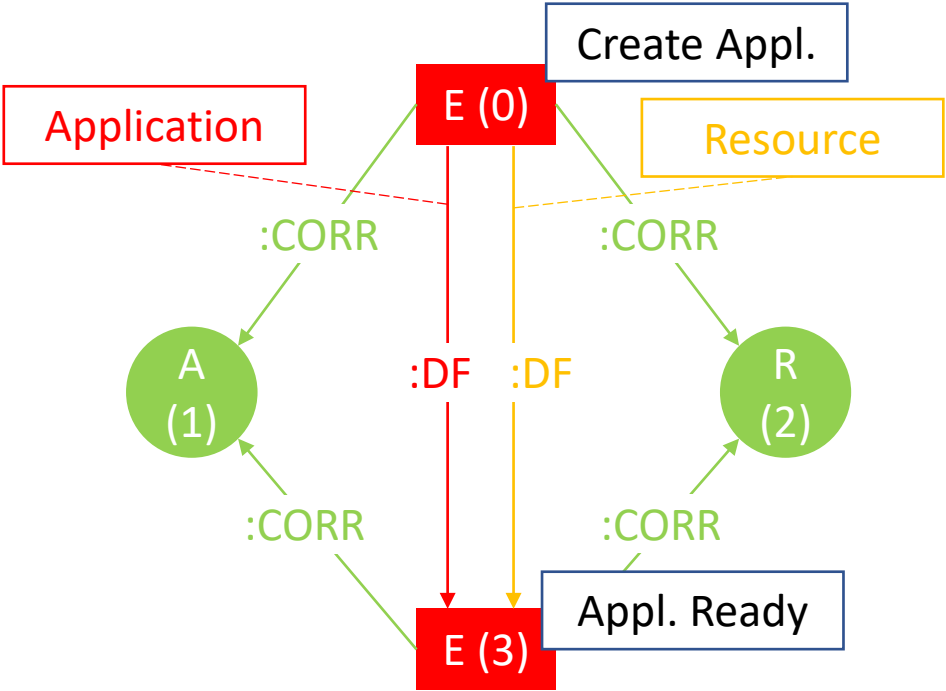


Step 26
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

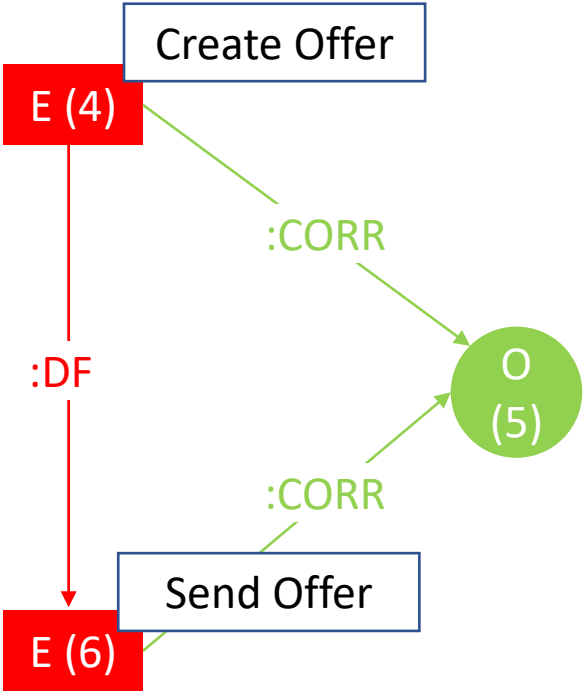
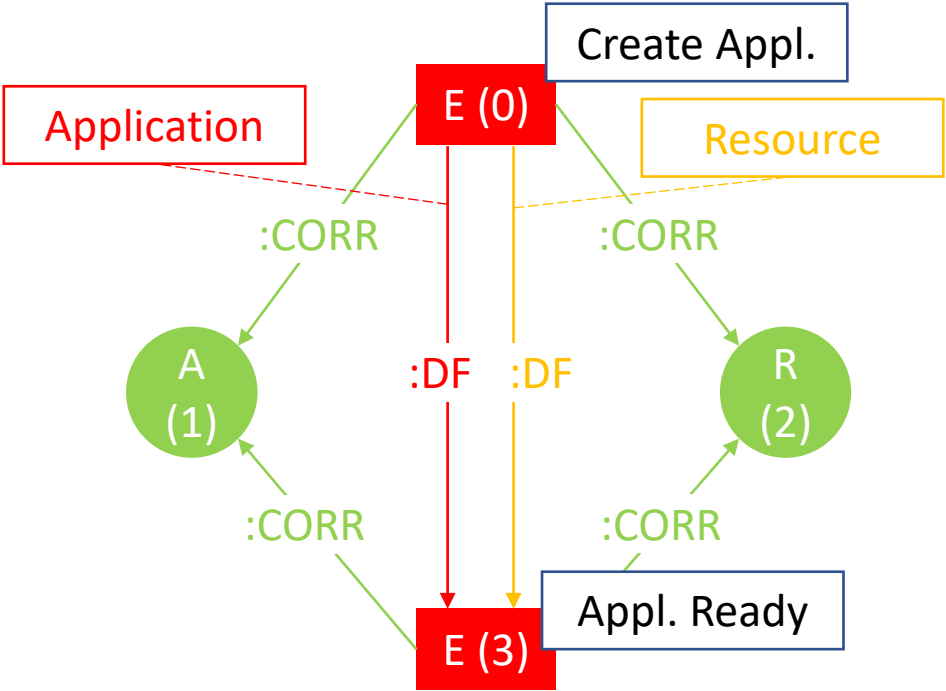


Step 27
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

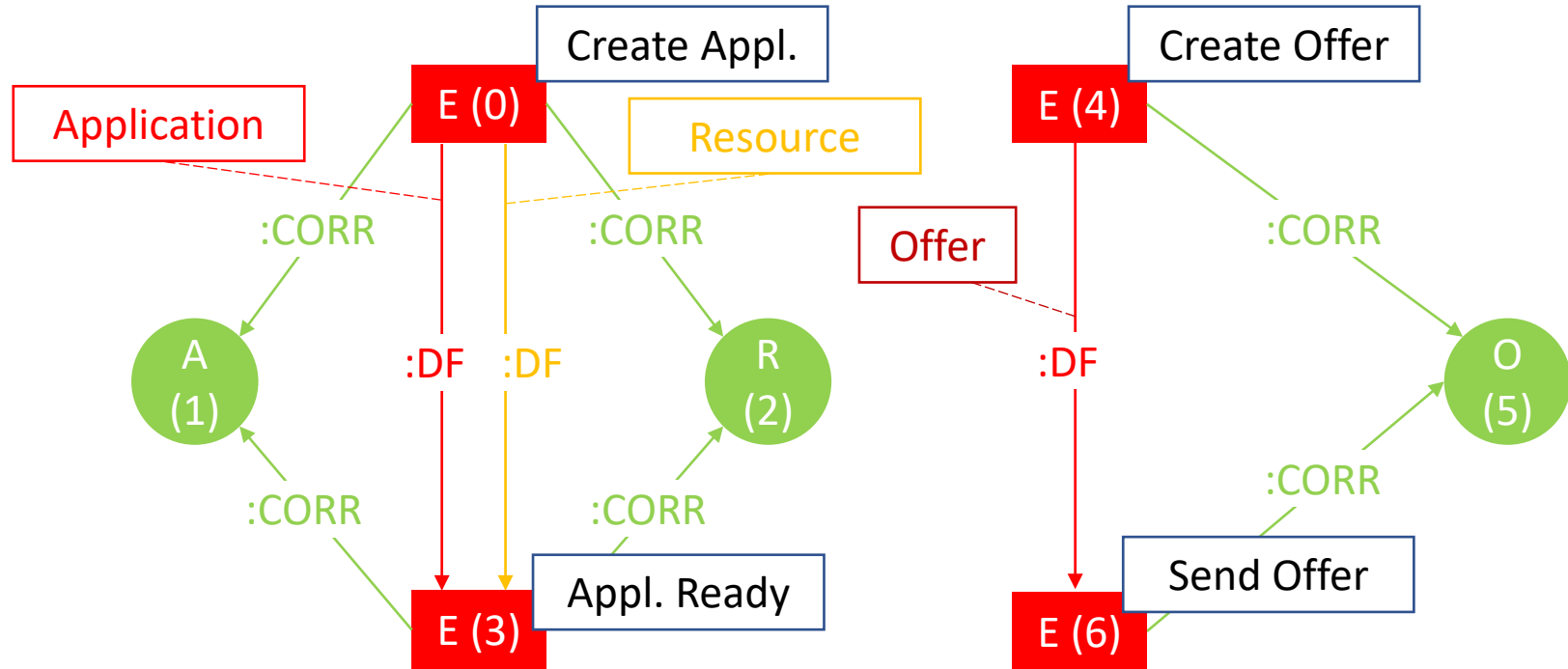


Step 28
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

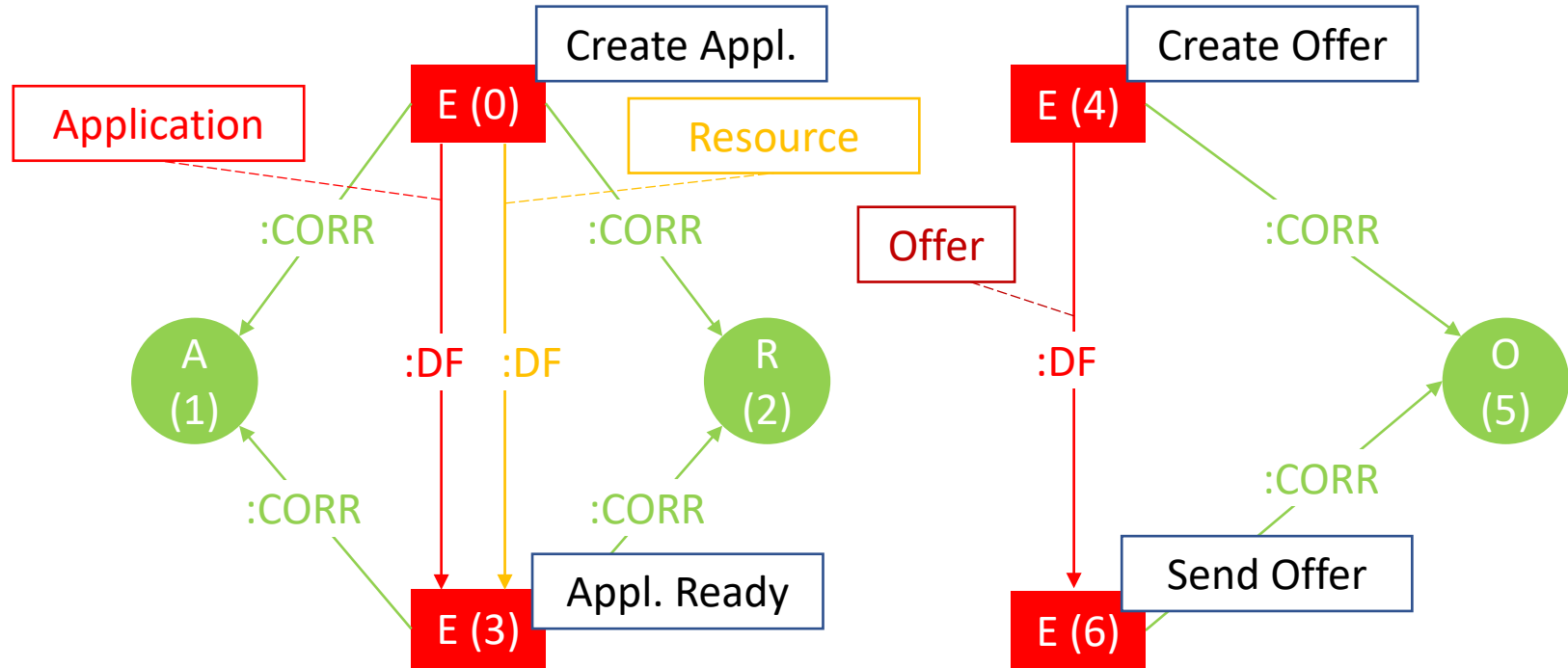


Step 29
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19), (5, 2)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

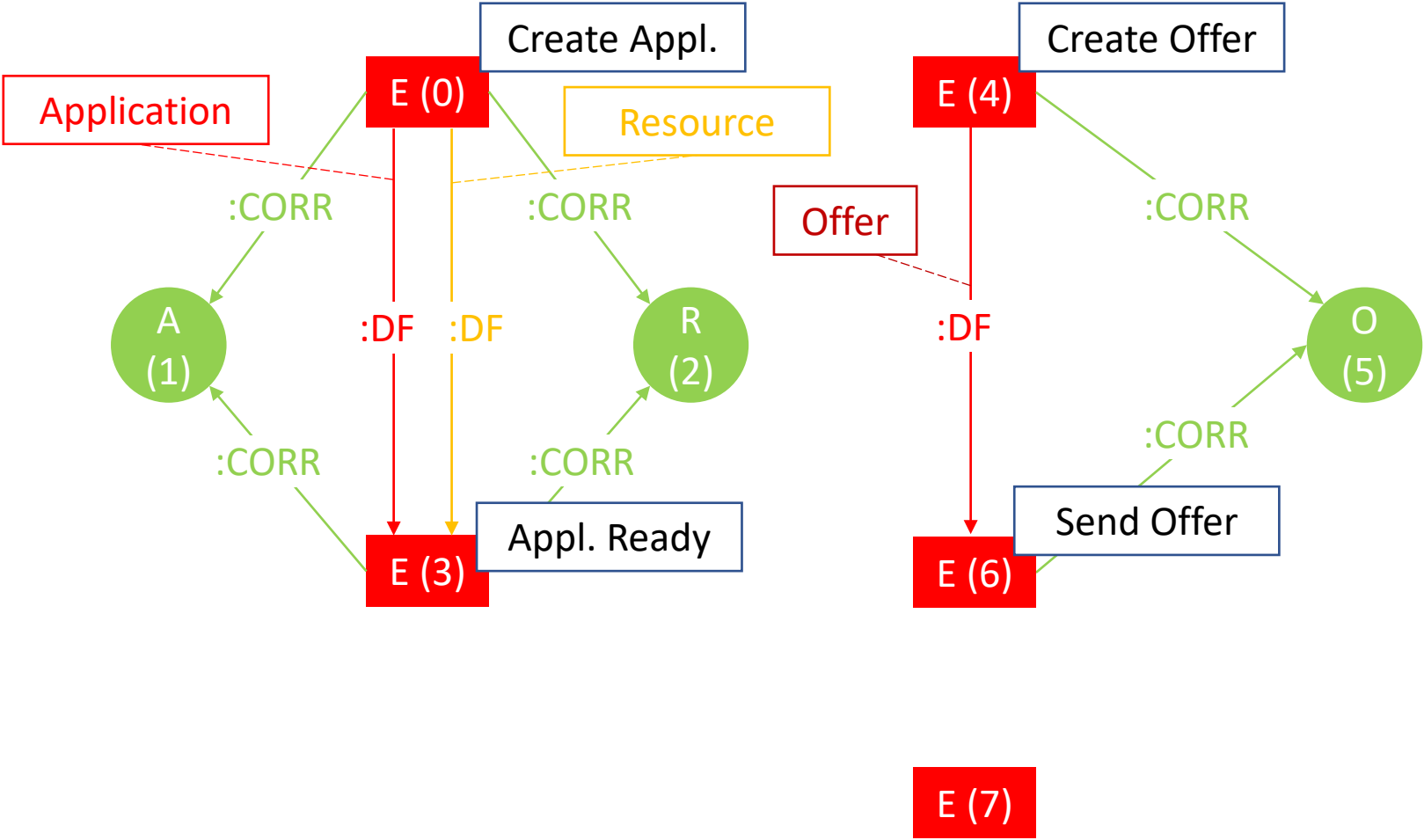


Step 30
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19), (5, 2), (6, 28)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6
Node 7

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

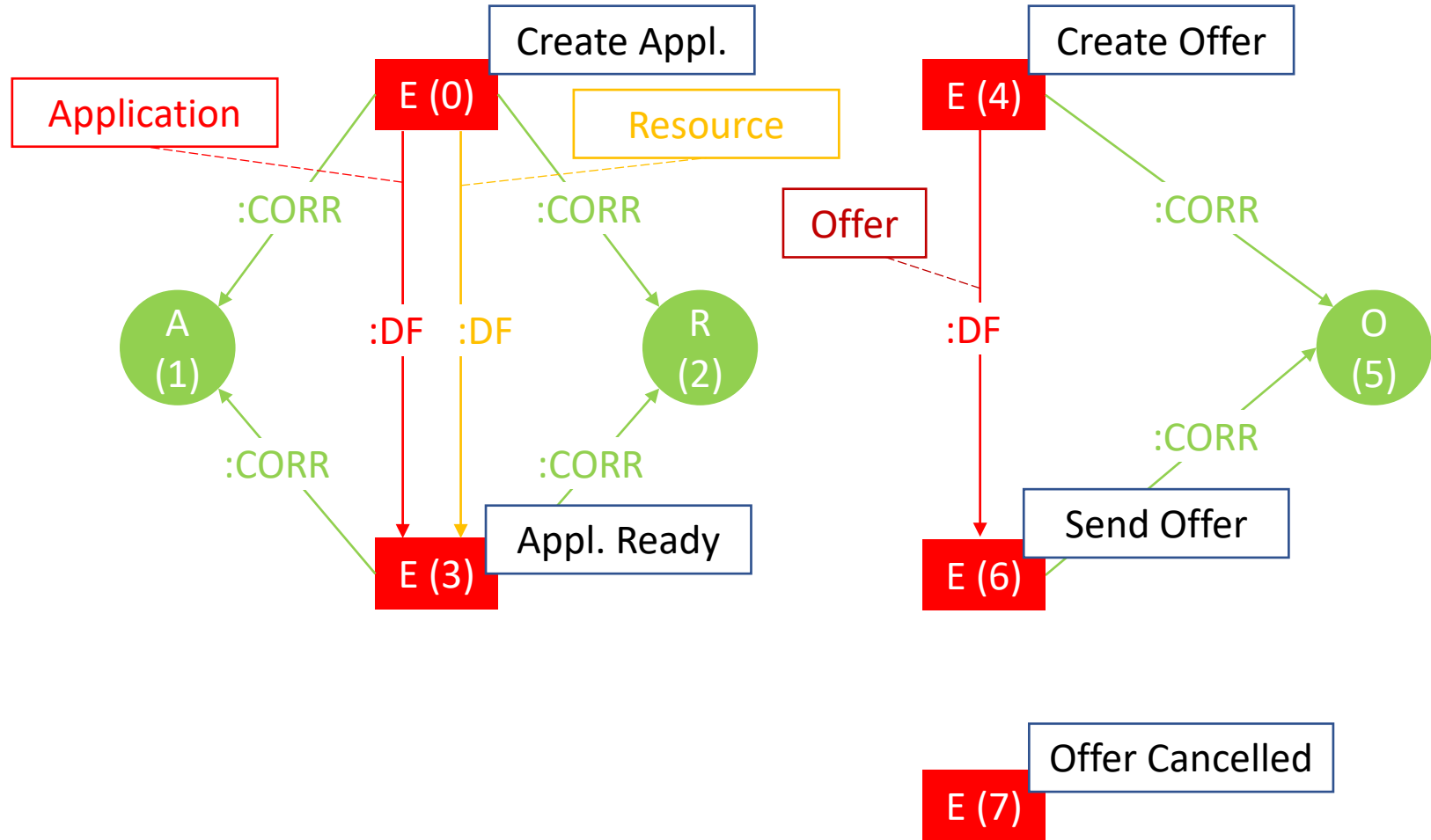


Step 31
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19), (5, 2), (6, 28), (0, 0)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6
Node 7

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

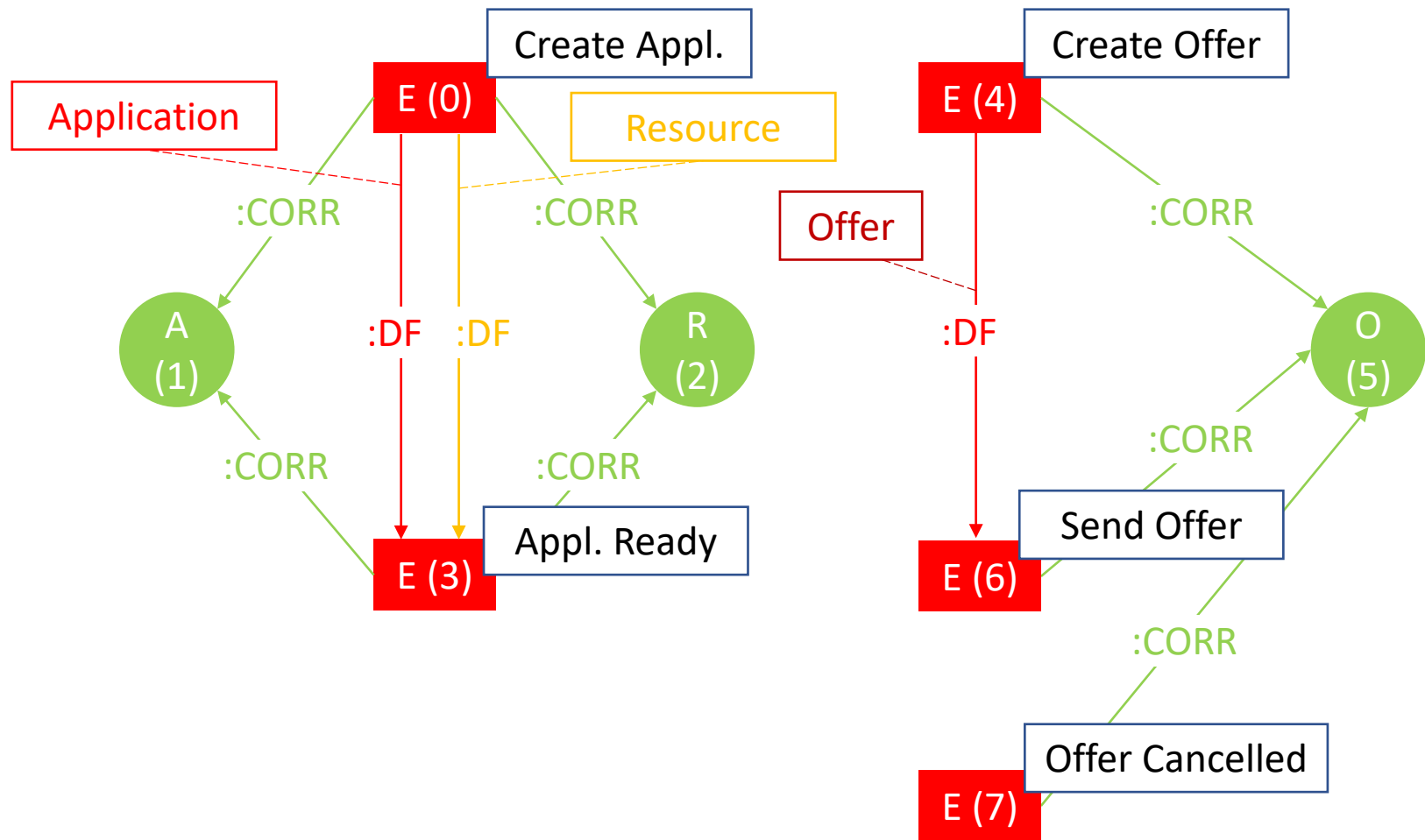


Step 32
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19), (5, 2), (6, 28), (0, 0), (1, 4)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6
Node 7

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

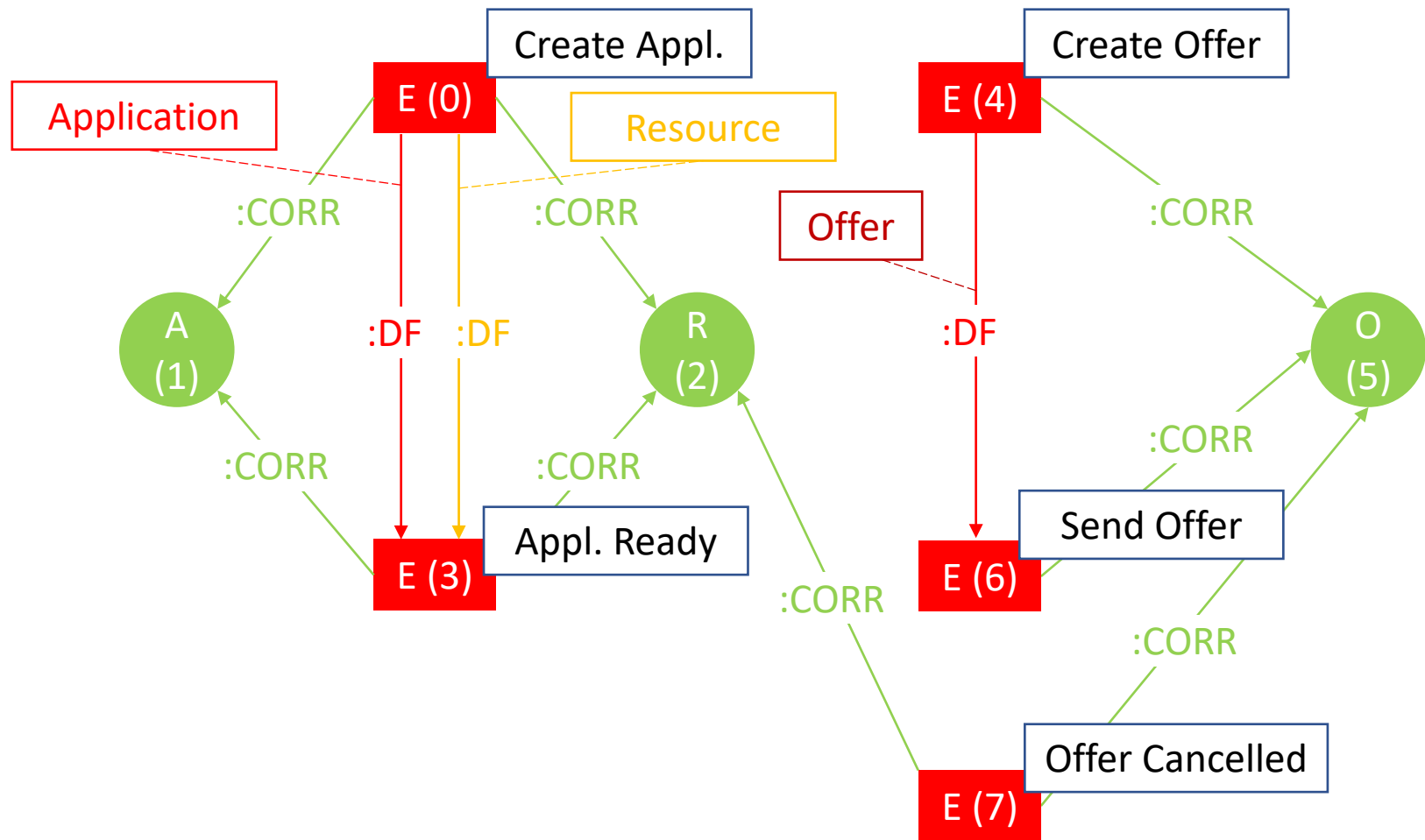


Step 33
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19), (5, 2), (6, 28), (0, 0), (1, 4), (6, 20)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6
Node 7

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

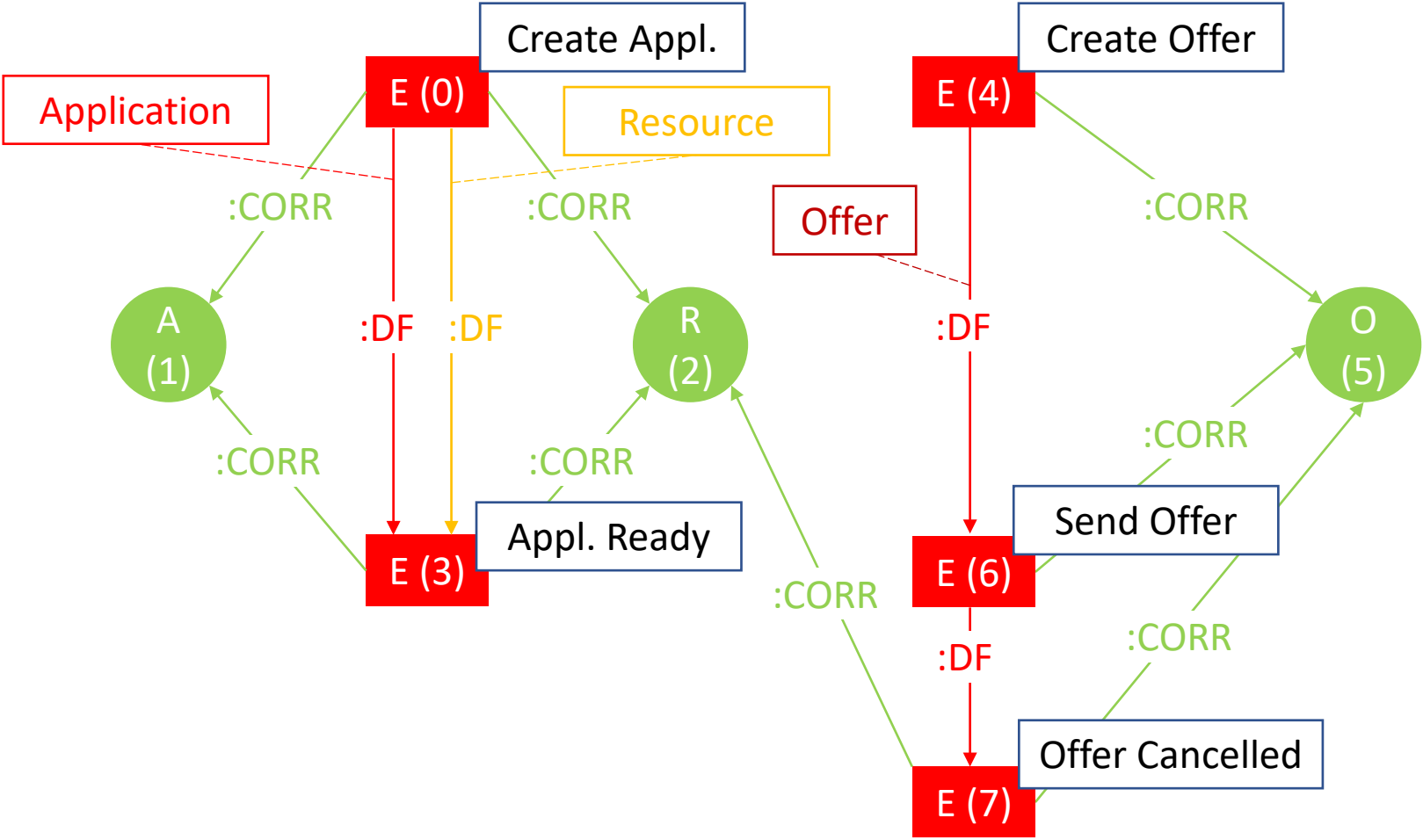


Step 34
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19), (5, 2), (6, 28), (0, 0), (1, 4), (6, 20), (6, 8)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6
Node 7

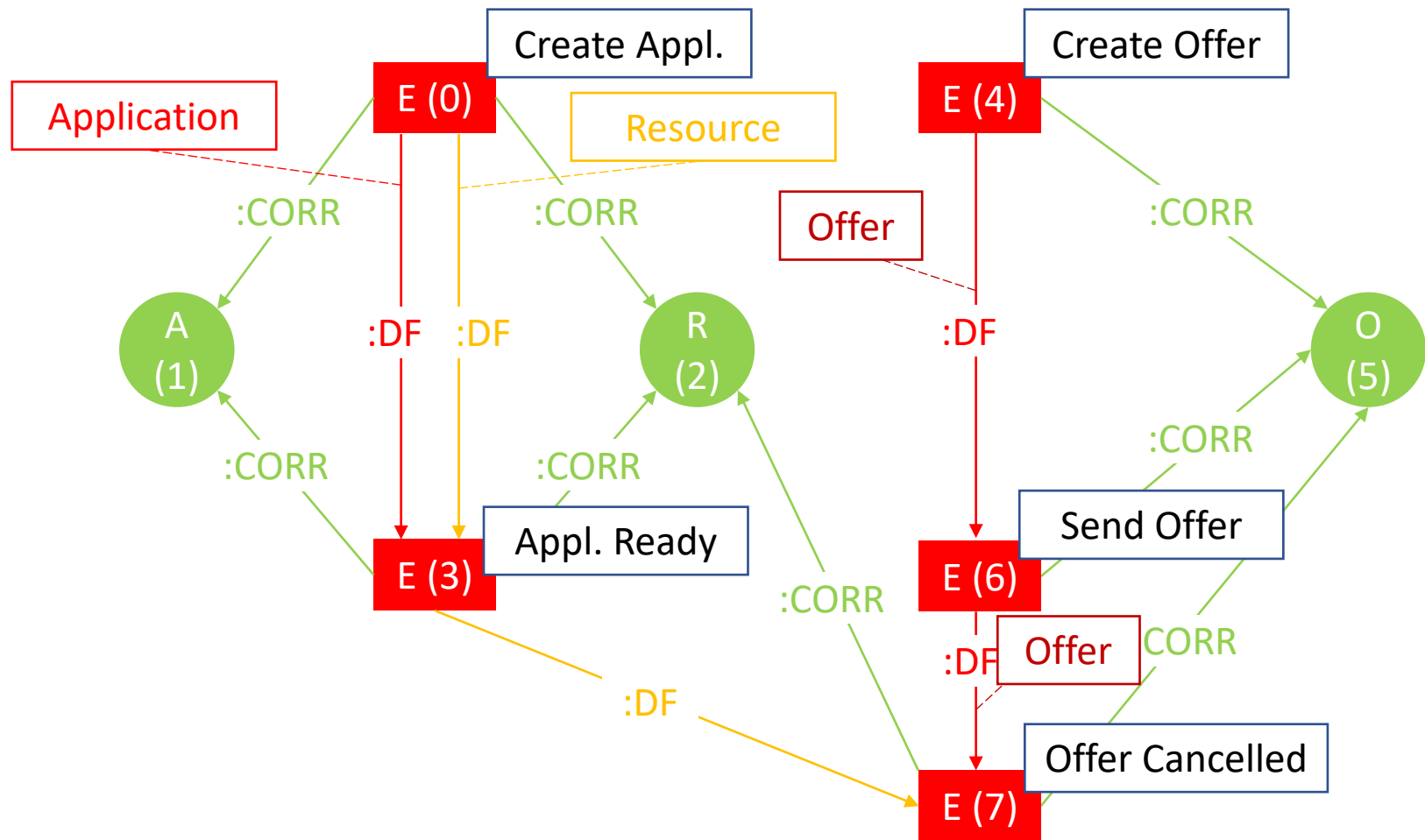
Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled



[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19), (5, 2), (6, 28), (0, 0), (1, 4), (6, 20), (6, 8), (6, 27)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6
Node 7

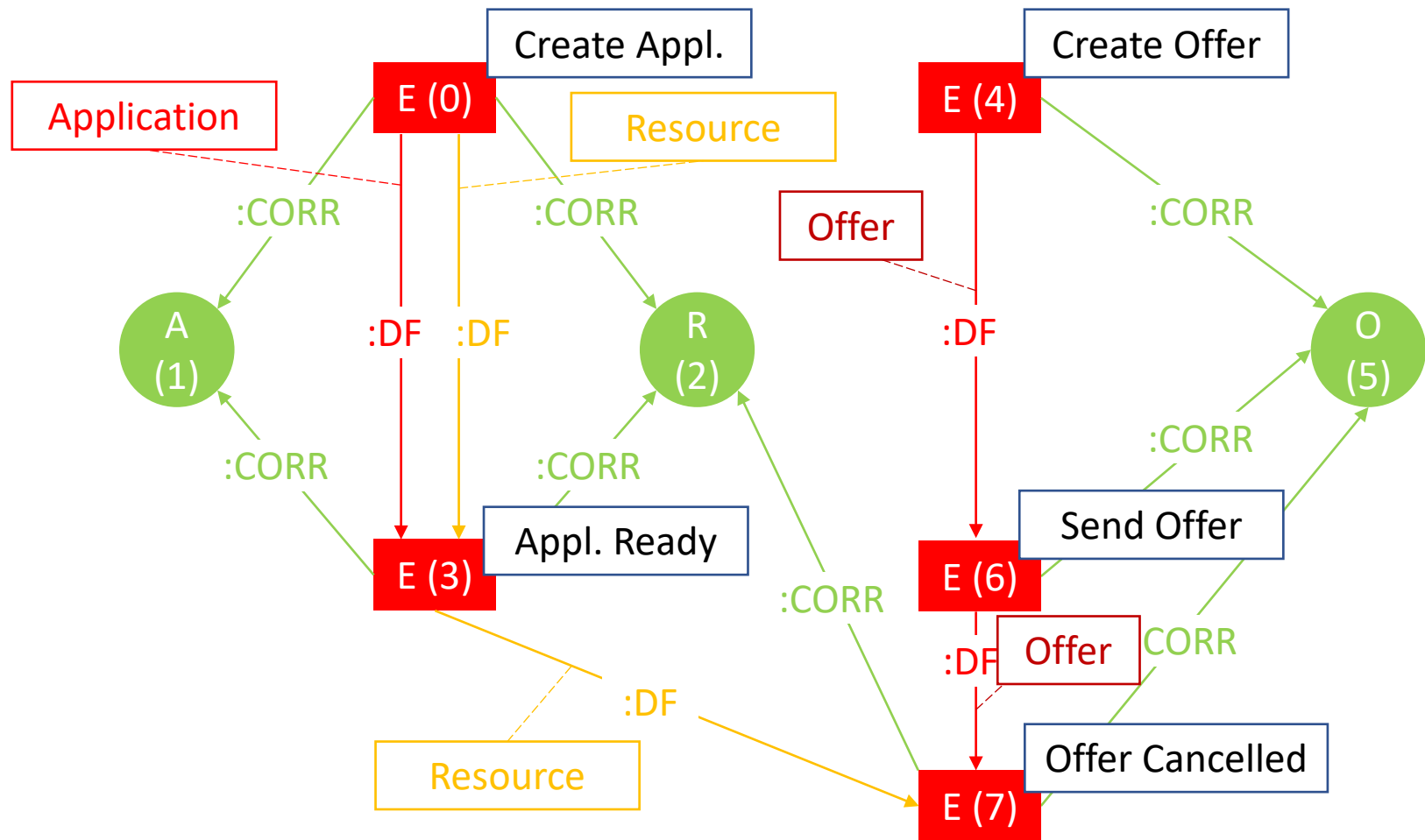
Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled



[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19), (5, 2), (6, 28), (0, 0), (1, 4), (6, 20), (6, 8), (6, 27), (5, 2), (6, 15)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6
Node 7

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled

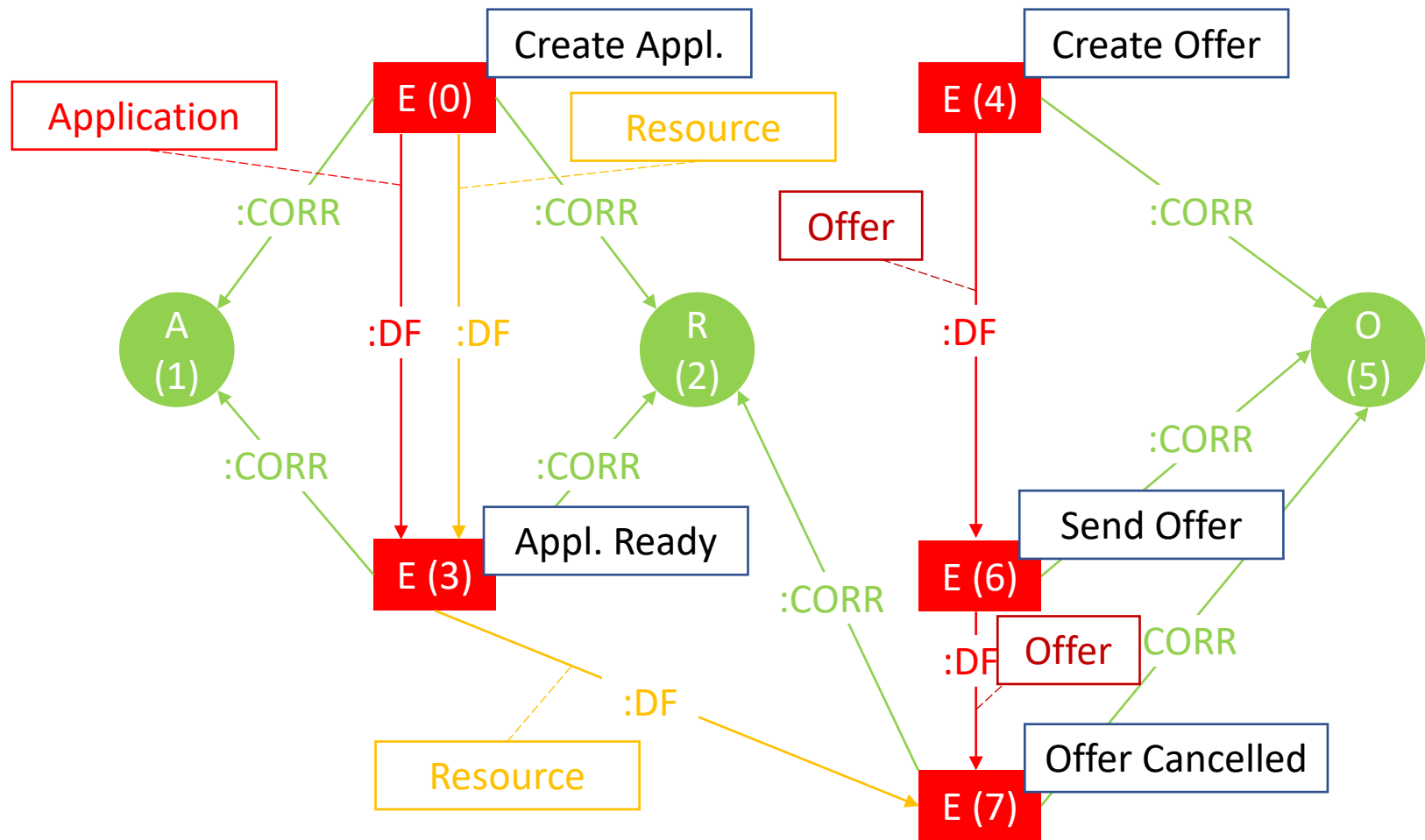


Step 38
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19), (5, 2), (6, 28), (0, 0), (1, 4), (6, 20), (6, 8), (6, 27), (5, 2), (6, 15), (5, 1)]

Node 0
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6
Node 7

Create Appl.
Appl. Ready
Create Offer
Send Offer
Offer Cancelled



Step 39
Event
Application
Resource
Offer
No node
:CORR
:DF
No edge
Application
Resource
Offer
To target
To source

[(0, 0), (1, 0), (6, 4), (0, 1), (6, 2), (6, 8), (0, 2), (6, 1), (6, 12), (0, 0), (1, 1), (6, 4), (6, 8), (6, 3), (5, 0), (6, 3), (5, 1), (6, 16), (0, 0), (1, 2), (6, 20), (0, 3), (6, 18), (6, 24), (0, 0), (1, 3), (6, 20), (6, 19), (5, 2), (6, 28), (0, 0), (1, 4), (6, 20), (6, 8), (6, 27), (5, 2), (6, 15), (5, 1), (6, 32)]

