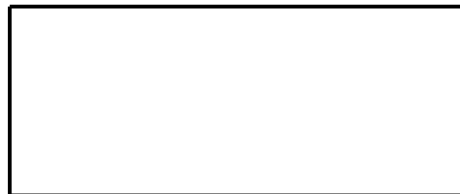**Pattern**

:A
:B :C

:B :C
:D
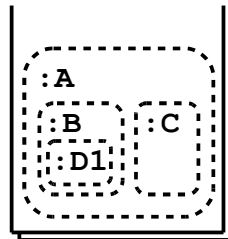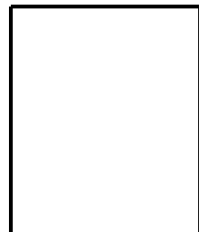
:D1 :D2

State of matching

Search state

Call stack holding partial match

Match storage

Open tasks stack

Result building stack(s)

:A
:B :C
:D1