> Ports:

$$\frac{dL}{dx_{L}}, \frac{dx_{\Omega}}{dc_{\Omega}}, \frac{dc_{\Omega}}{d\theta}, \frac{dx_{\Omega}}{dx_{\Omega}}, \frac{dc_{\Omega}}{dx_{\Omega}}$$

$$(A) \quad (B) \quad (CC) \quad (D)$$

$$(A) \quad (B) \quad (CC) \quad (D)$$

```
→ Detached:

d-detached=0

for m=D to ts-1:

term = Am x Bm

for k=m+1 to ts-1:

term= term x Cx

d-detached ± term

d-detached x= dL/dxts

→ Original:

doll compute - Doub (sto):
```

def compute-path (step): if step=0: return AoxBo

direct = An + Bn

prev-paths = compute-path (step-1)

State-effect = Cn + An x On

return direct + prev-paths x state-effect

d-original = compute-path(ts-1) x dL/dxts