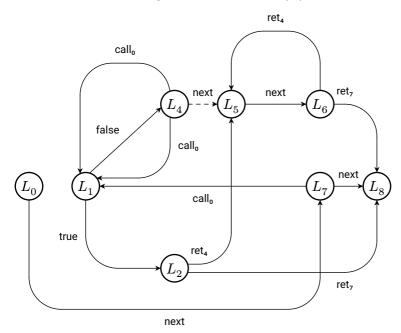
Procedural Program: Statics

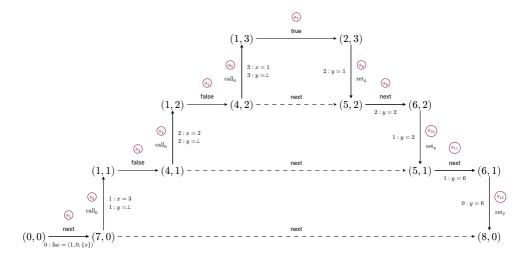
```
def fac(x):
    if x == 1:
      return 1
    else:
      y = fac(x-1)
      y *= x
      return y
  a = fac(3)
8
```

Loc	next	true	false	call₀	ret₄	ret ₇	err
0	7	-	1	1	1	1	1
1	ı	2	4	1	1	1	8
2	ı	ı	ı	ı	{5 }	{8}	8
3	ı	1	ı	1	1	ı	ı
4	5	-	-	{1}	-	1	8
5	6	-	1	-	1	1	8
6	ı	1	ı	1	{5}	{8}	8
7	8	-	-	{1}	-	-	8
8	-	-	-	-	-	-	-

Procedural Program: Statics (ii)



Procedural Program: Dynamics



Procedural Program: Dynamics (ii)

$$e_{0} = \begin{cases} f \mapsto (1, 0, \{x\}) & s_{1} \\ y \mapsto 6 & s_{12} \end{cases}$$

$$e_{1} = \begin{cases} x \mapsto 3 & s_{2} \\ y \mapsto 1 & s_{2} \\ y \mapsto 2 & s_{10} \\ y \mapsto 6 & s_{11} \end{cases}$$

$$e_{2} = \begin{cases} e_{1} = \begin{cases} x \mapsto 3 & s_{2} \\ y \mapsto 1 & s_{2} \\ y \mapsto 6 & s_{11} \end{cases}$$

$$e_2 = \begin{cases} x \mapsto 2 & & s_2 \\ y \mapsto 1 & & s_2 \\ y \mapsto 1 & & s_{10} \\ y \mapsto 2 & & s_{11} \end{cases}$$

$$e_3 = \begin{cases} x \mapsto 1 & s_2 \\ y \mapsto 1 & s_2 \end{cases}$$