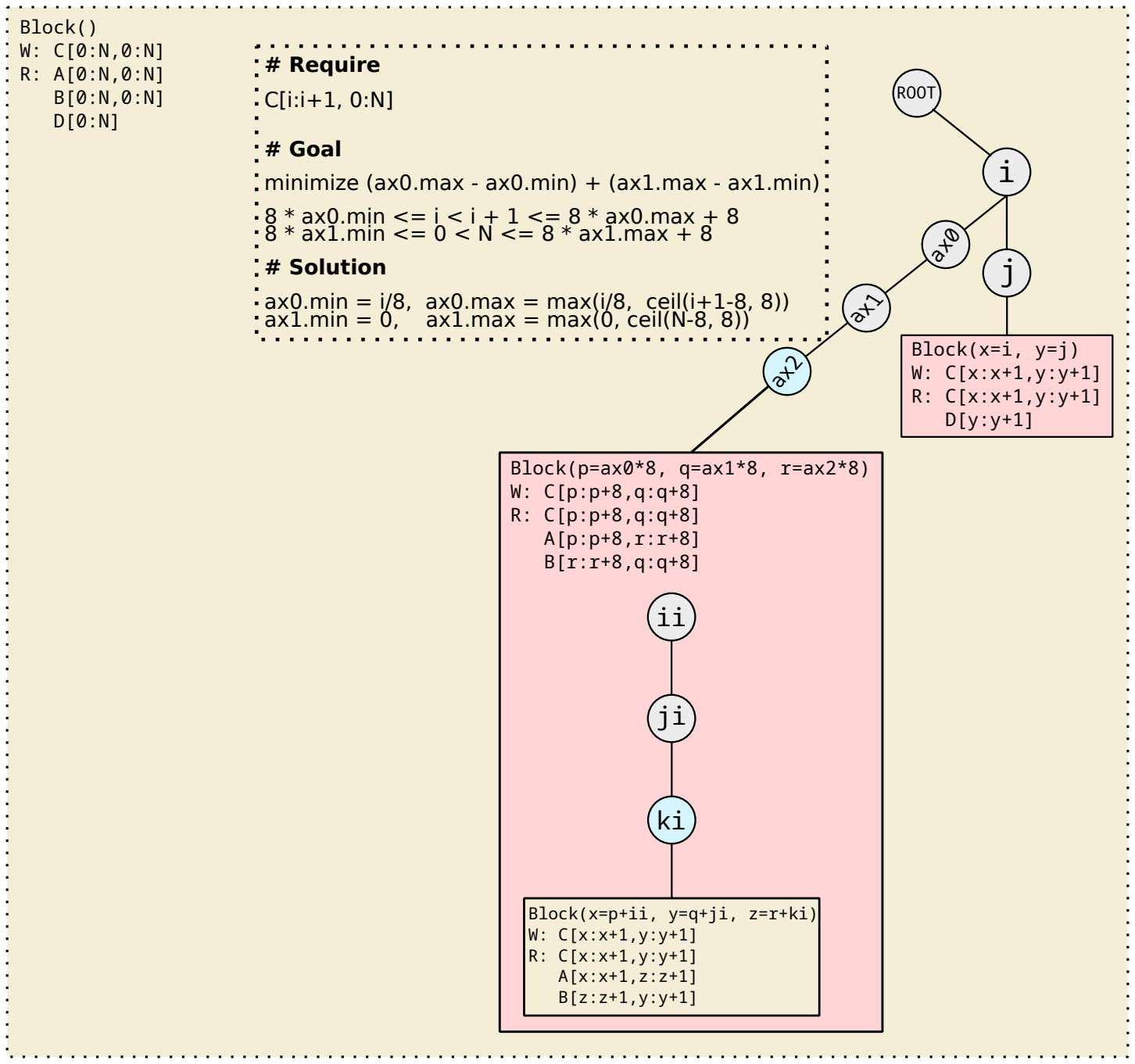
Block()
W: C[0:N,0:N]
R: A[0:N,0:N]
B[0:N,0:N]
D[0:N]
Require
C[i:i+1, 0:N]
Goal
minimize (ax0.max - ax0.min) + (ax1.max - ax1.min)
8 * ax0.min <= i < i + 1 <= 8 * ax0.max + 8
8 * ax1.min <= 0 < N <= 8 * ax1.max + 8
# Solution
ax0.min = i/8, ax0.max = max(i/8, ceil(i+1-8, 8))
ax1.min = 0, ax1.max = max(0, ceil(N-8, 8))
ROOT
i
ax0
j
ax1
ax2
Block(x=i, y=j)
W: C[x:x+1,y:y+1]
R: C[x:x+1,y:y+1]
D[y:y+1]
Block(p=ax0*8, q=ax1*8, r=ax2*8)
W: C[p:p+8,q:q+8]
R: C[p:p+8,q:q+8]
A[p:p+8,r:r+8]
B[r:r+8,q:q+8]
ii
ji
ki
Block(x=p+ii, y=q+ji, z=r+ki)
W: C[x:x+1,y:y+1]
R: C[x:x+1,y:y+1]
A[x:x+1,z:z+1]
B[z:z+1,y:y+1]