Recursive\_Matrix\_Chain(p, i, j)

IF i = j

THEN RETURN 0

m[i, i] <- infinity

FOR k <- i to j-1

DO q <- Recursive\_Matrix\_Chain(p, i, k)

+ Recursive\_Matrix\_Chain(p, k+1, j)

+

IF q < m[i, j]

THEN m[i, j] <- q

RETURN m[i, j]

**T(n) = = Ω(**