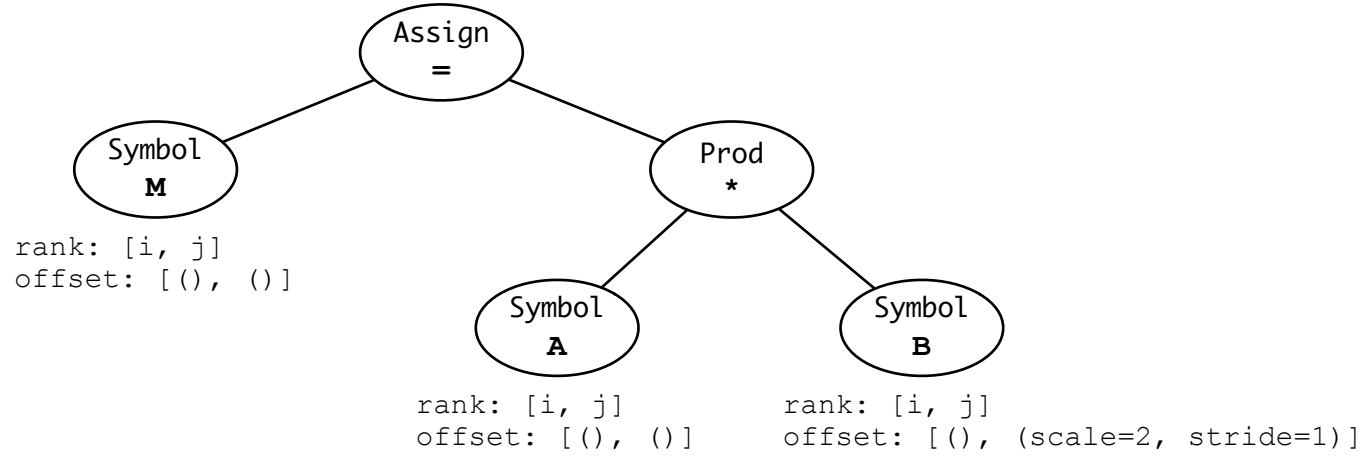M[i][j] = A[i][j] * B[i][2*k+1]