**Java (Função Arckermann)**

class Rextester

{

public static long ack(long m, long n){

if(m == 0) {

return n + 1;

} else if(n == 0) {

return ack(m - 1, 1);

} else {

return ack(m-1, ack(m, n - 1));

}

}

public static void main(String args[])

{

System.out.println(ack(1, 4));

}

}