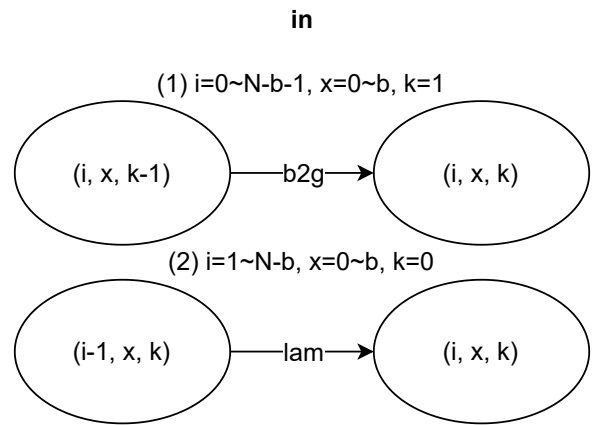
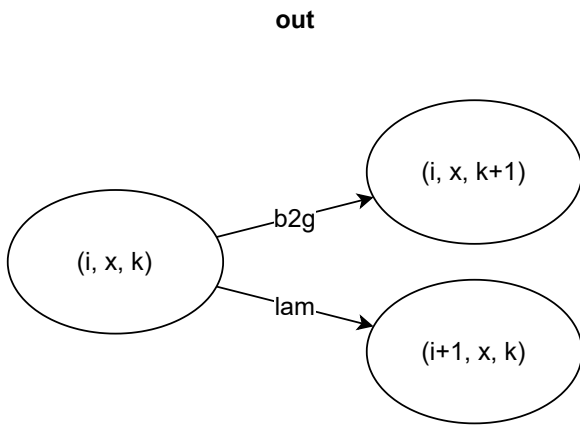
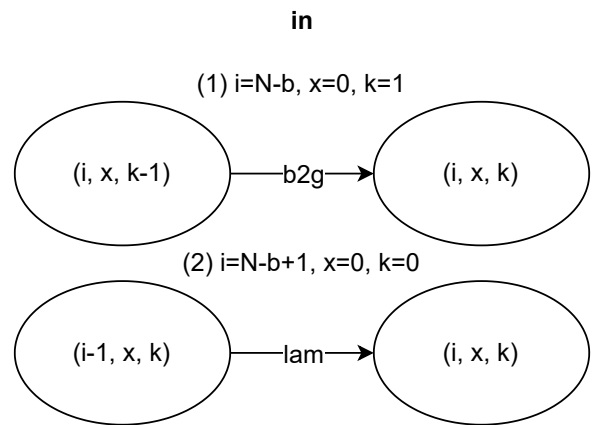
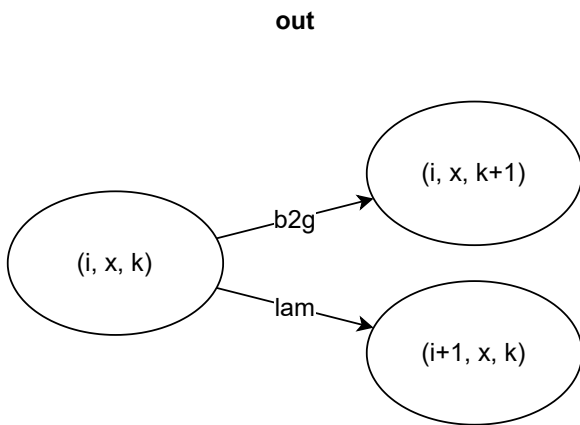


System off, $k=0$

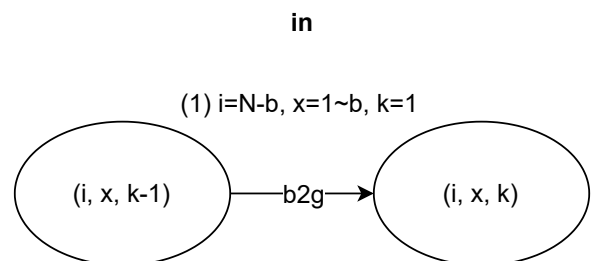
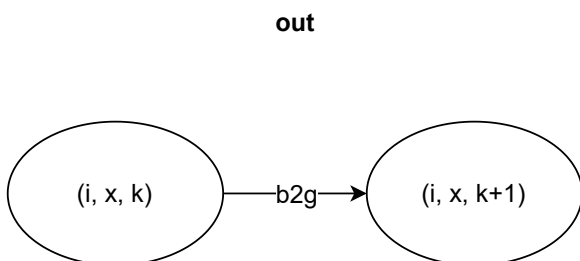
case 1. $i=0 \sim N-b-1, x=0 \sim b, k=0$



case 2. $i=N-b, x=0, k=0$

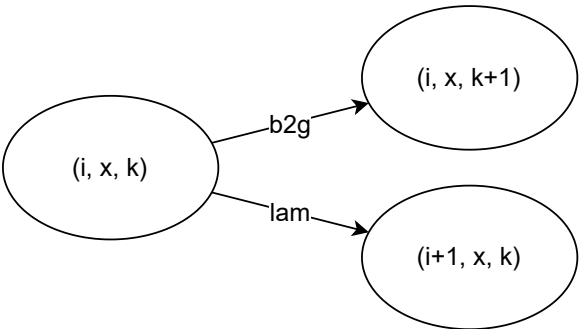


case 3. $i=N-b, x=1 \sim b, k=0$

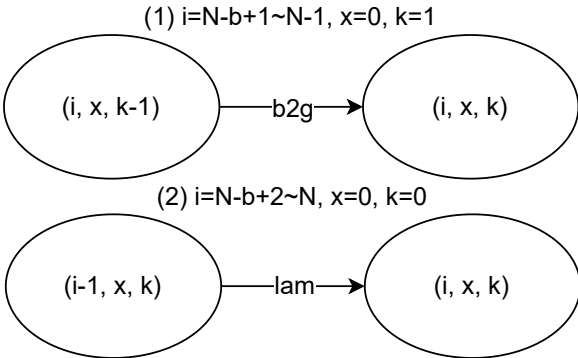


case 4. $i=N-b+1 \sim N-1, x=0, k=0$

out

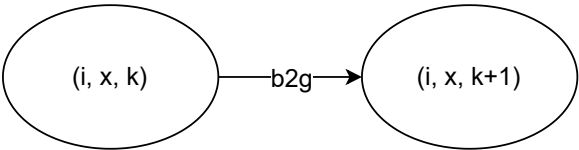


in

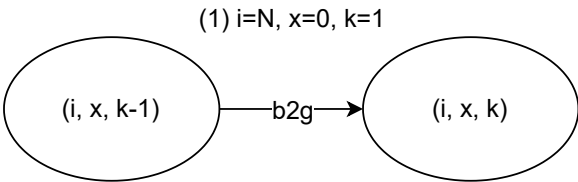


case 5. $i=N, x=0, k=0$

out

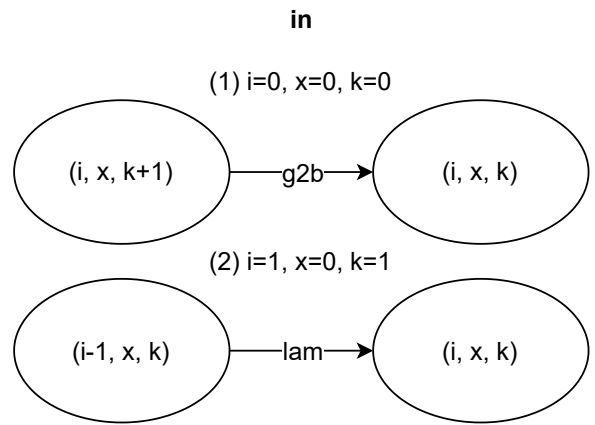
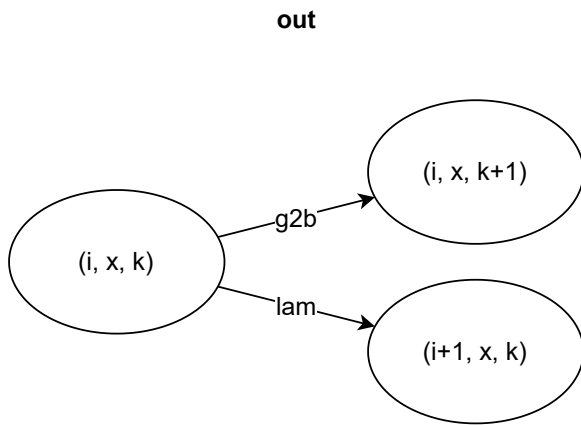


in

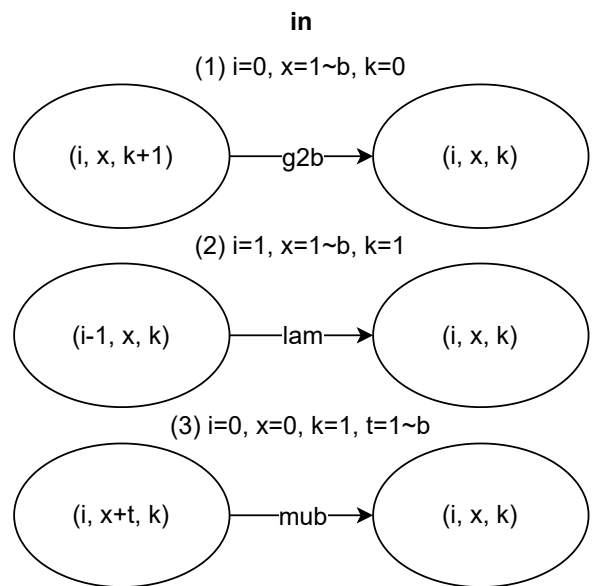
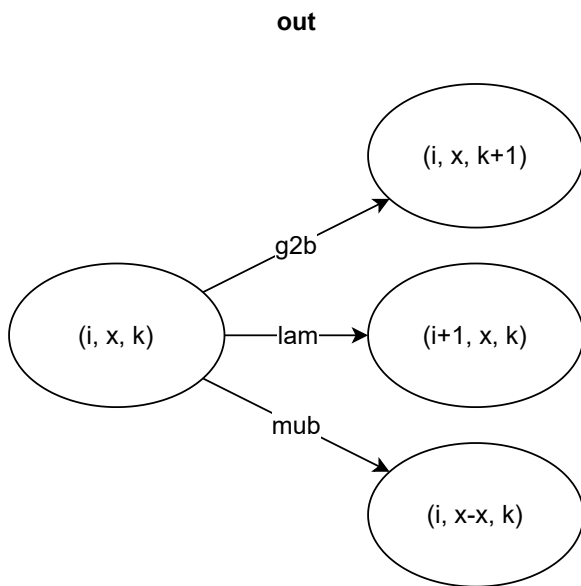


System on, k=1

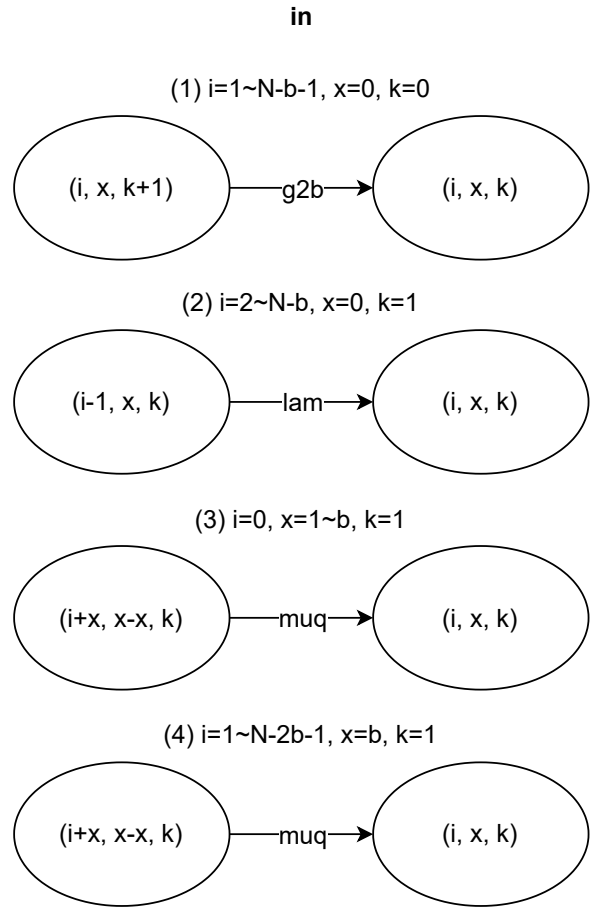
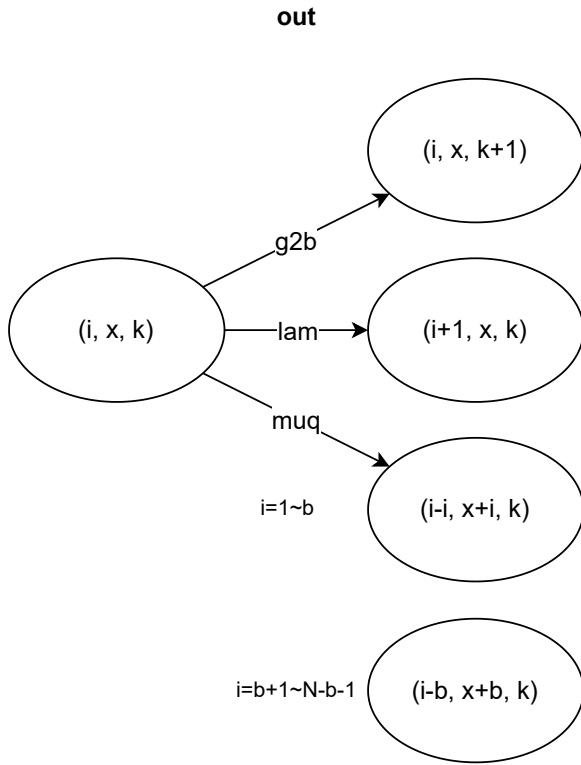
case 6. $i=0, x=0, k=1$



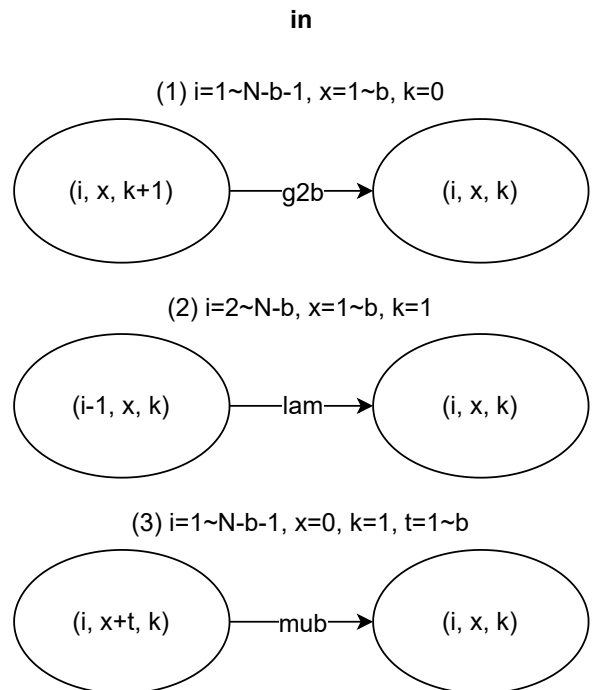
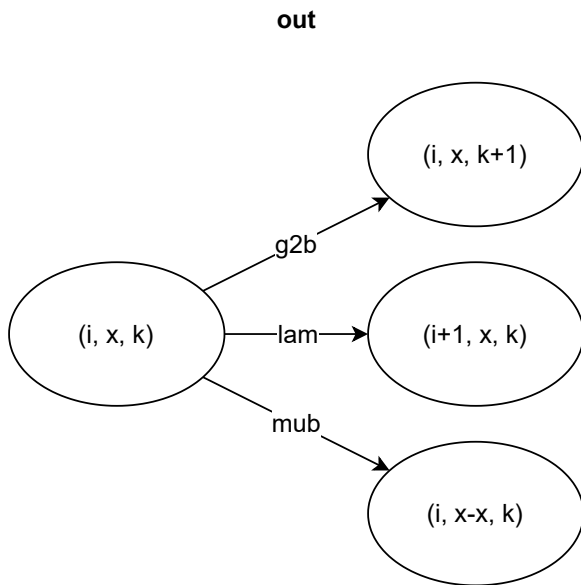
case 7. $i=0, x=1\sim b, k=1$



case 8. $i=1\sim N-b-1, x=0, k=1$

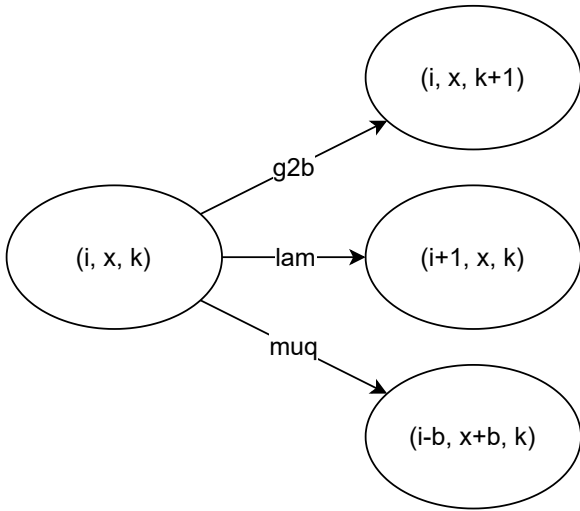


case 9. $i=1\sim N-b-1, x=1\sim b, k=1$



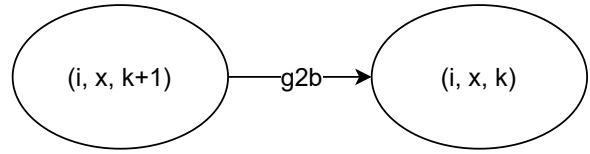
case 10. $i=N-b, x=0, k=1$

out

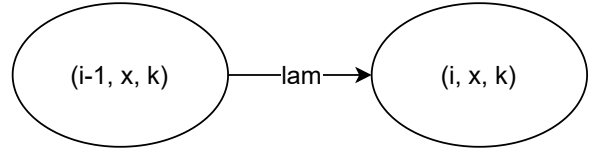


in

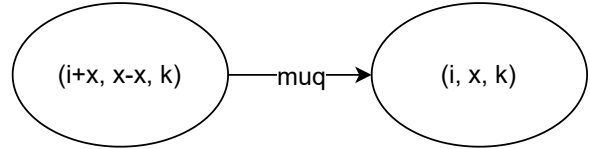
(1) $i=N-b, x=0, k=0$



(2) $i=N-b+1, x=0, k=1$

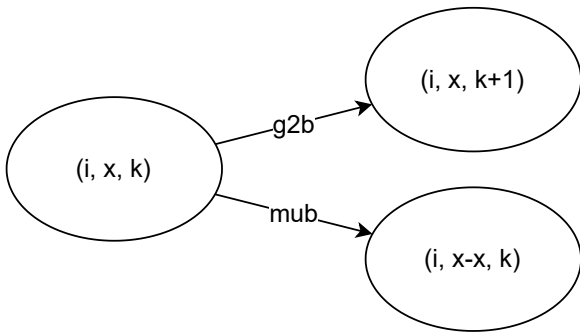


(3) $i=N-2b, x=b, k=1$



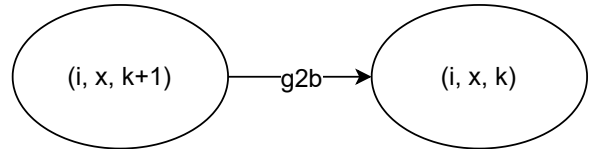
case 11. $i=N-b, x=1\sim b, k=1$

out

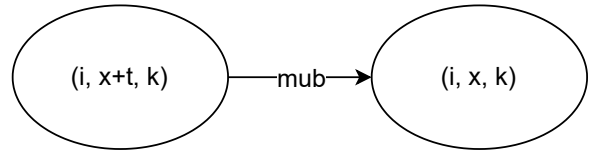


in

(1) $i=N-b, x=1\sim b, k=0$

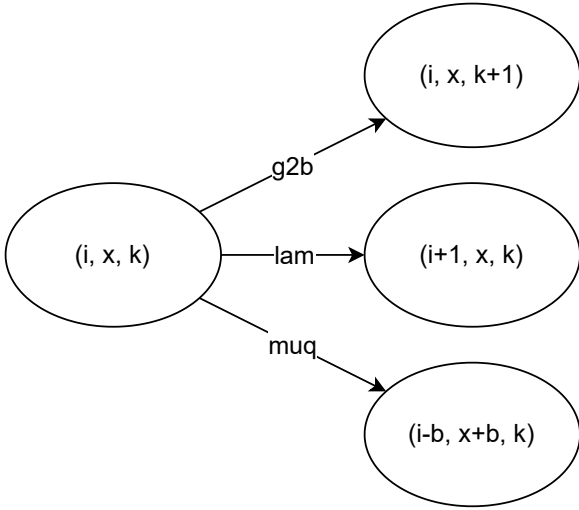


(3) $i=N-b, x=0, k=1, t=1\sim b$



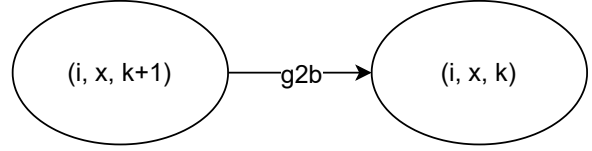
case 12. $i=N-b+1 \sim N-1$, $x=0$, $k=1$

out

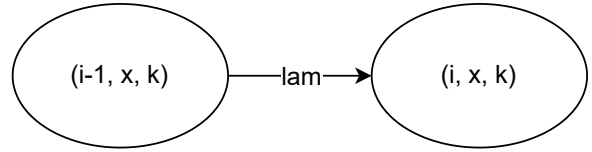


in

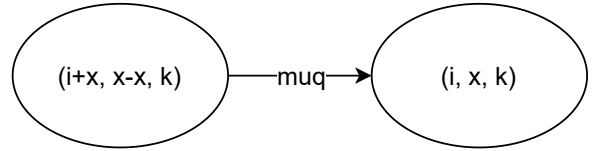
(1) $i=N-b+1 \sim N-1$, $x=0$, $k=0$



(2) $i=N-b+2 \sim N$, $x=0$, $k=1$

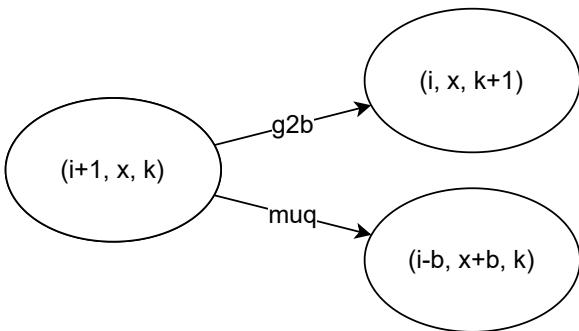


(3) $i=N-2b+1 \sim N-b-1$, $x=b$, $k=1$



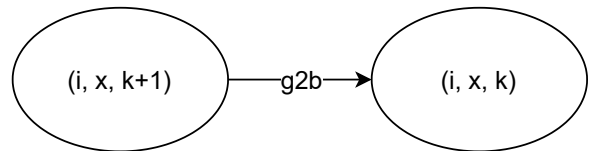
case 13. $i=N$, $x=0$, $k=1$

out



in

(1) $i=N$, $x=0$, $k=0$



(2) $i=N-b$, $x=b$, $k=1$

