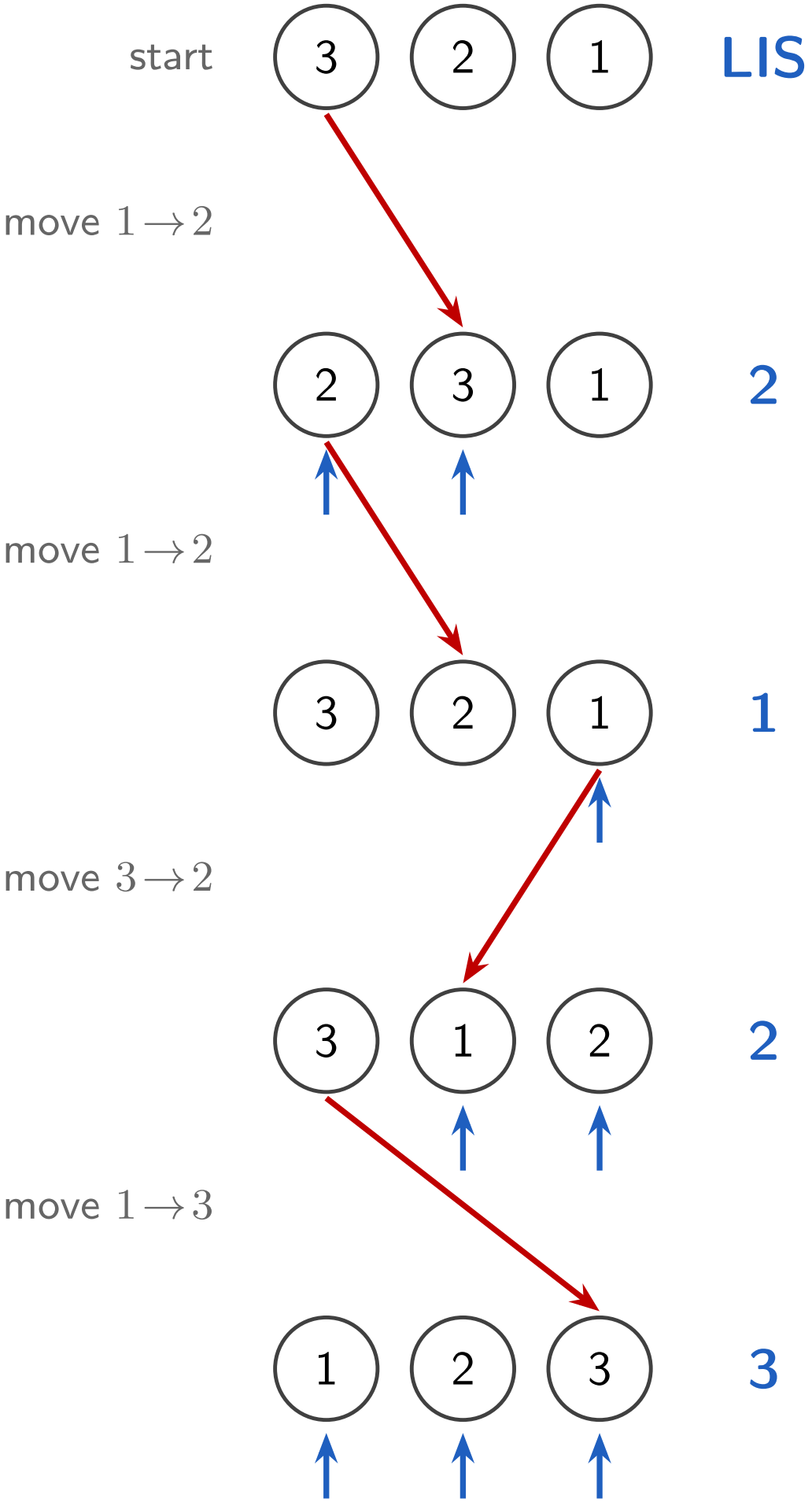

start
3
2
1
LIS
move $1 \to 2$
2
3
1
2
move $1 \to 2$
3
2
1
1
move $3 \to 2$
3
1
2
2
move $1 \to 3$
1
2
3
3