

# Simulating a queue

In this exercise we will use a coin to simulate a queue.

Each minute, flip two coins.

- Coin 1 – *Joining the queue*:
  - **heads**: 1 person arrives;
  - **tails**: 2 people arrive.
- Coin 2 – *Leaving the queue*:
  - **heads**: 1 person is served and leaves;
  - **tails**: 2 people are served and leave.

Repeat this for five rounds (minutes) and record your results.

time (mins)	no. joining queue	no. leaving queue	new length of queue
0	–	–	0
1			
2			
3			
4			
5			

