

## A matrix corresponding to online learning.

$t =$	1	2	3	4	...
expert 1	1	0	1	0	...
expert 2	-1	0	0	1	...
expert 3	1	0	-1	1	...

- ▶ If the adversary plays optimally, then the row distribution converges to a minimax optimal mixed strategy.
- ▶ But adversary might not play optimally - minimizing regret is a stronger criterion than converging to minimax optimal mixed strategy.