Belady's Algorithm

→ What is optimal if you knew the future?

Access	Hit/Miss	Evict	P0	PΙ	P2	P3
	Miss					
2	Miss			2		
3	Miss			2	3	
4	Miss			2	3	4
	Hit			2	3	4
2	Hit			2	3	4
5	Miss	4		2	3	5
	Hit			2	3	5
2	Hit			2	3	5
3	Hit			2	3	5
4	Miss		4	2	3	5
5	Hit		4	2	3	5

Total 6 misses

Belady's Algorithm

Belady's Algorithm is known (proven) to be the optimal page replacement algorithm

- Problem: it is hard (impossible) to predict the future
- → Belady's algorithm is useful to compare page replacement algorithms with the optimal to gauge room for improvement