

layer partition

after the first $k=3$
pairwise distinct
requested pages

layers	L ₀	L ₁	L ₂	L ₃
pages	1,3,6	\emptyset	\emptyset	4,2,5

1,3,6 are for sure
not in OPT's cache.

revealed pages
4,2,5 are for sure
in OPT's cache.

OPT
(LFD)

requests σ		4	2	4	5	6	4	1	2	1	6	2	4
cache	—	4	4	4	4	4	4	1	1	1	1	1	4
content	—	—	2	2	2	2	2	2	2	2	2	2	2
	—	—	—	—	5	6	6	6	6	6	6	6	6

Numbers enclosed in a square
indicate a cache miss.

