

...-in-use...

Chunk 0: In-use

header has $P = 0$

Chunk 1: In-use

header has $P = 0$

Chunk 2: Free

header has $P = 1$

Chunk 3: In-use

...-in-use...

header has $P = 0$

Chunk 100: In-use

header has $P = 0$

Chunk 101: Free

header has $P = 1$

Chunk 103: In-use

header has $P = 0$

Chunk 1000: In-use

...-in-use...

header has $P = 0$

Chunk 1001: Free

header has $P = 1$

Chunk 1002: In-use

header has $P = 0$

...-in-use...

Chunk 1003: In-use

header has $P = 0$

...-in-use...