# FINAL TEST CASE:

## Warmup

r (408)(1)(54)(x) 1
r (409)(1)(54)(x) 2
r (410)(1)(54)(x) 3
r (411)(1)(54)(x) 4
r (412)(1)(54)(x) 5
r (413)(1)(54)(x) 6
r (414)(1)(54)(x) 7
r (415)(1)(54)(x) 8
r (416)(1)(54)(x) 9
r (417)(1)(54)(x) 10
r (418)(1)(54)(x) 11
r (419)(1)(54)(x) 12
r (420)(1)(54)(x) 13
r (421)(1)(54)(x) 14
r (422)(1)(54)(x) 15
r (423)(1)(54)(x) 16
r (408)(2)(54)(x) 17
r (409)(2)(54)(x) 18
r (410)(2)(54)(x) 19
r (411)(2)(54)(x) 20
r (412)(2)(54)(x) 21
r (413)(2)(54)(x) 22
r (414)(2)(54)(x) 23
r (415)(2)(54)(x) 24
r (416)(2)(54)(x) 25
r (417)(2)(54)(x) 26
r (418)(2)(54)(x) 27
r (419)(2)(54)(x) 28
r (420)(2)(54)(x) 29
r (421)(2)(54)(x) 30
r (422)(2)(54)(x) 31
r (423)(2)(54)(x) 32

# 1. Random read

r (423)(2)(54)(x) 10000
r (417)(2)(54)(x) 10001
r (417)(2)(54)(x) 10002
r (423)(2)(54)(x) 10152
r (416)(1)(54)(x) 10153
r (414)(2)(54)(x) 10154
r (422)(2)(54)(x) 10304
r (418)(2)(54)(x) 10305
r (413)(2)(54)(x) 10306
r (417)(1)(54)(x) 10456
r (431)(3)(54)(x) 10457
r (431)(2)(54)(x) 10458
r (429)(3)(54)(x) 10459
r (424)(2)(54)(x) 10609
r (426)(3)(54)(x) 10610
r (426)(3)(54)(x) 10611
r (430)(2)(54)(x) 10761
r (427)(3)(54)(x) 10762
r (430)(3)(54)(x) 10763
r (428)(2)(54)(x) 10913

# 2. Random read/write

w (420)(2)(54)(x) 10000
r (412)(2)(54)(x) 10001
w (417)(1)(54)(x) 10002
r (415)(1)(54)(x) 10152
w (416)(2)(54)(x) 10153
r (416)(1)(54)(x) 10154
r (419)(2)(54)(x) 10304
r (416)(2)(54)(x) 10305
w (412)(1)(54)(x) 10306
w (415)(1)(54)(x) 10456

# 3. Random write (L2 miss)

w (428)(2)(54)(x) 10000
w (429)(3)(54)(x) 10001
r (428)(3)(54)(x) 10002

r (428)(2)(54)(x) 10152
w (427)(2)(54)(x) 10153
r (424)(2)(54)(x) 10154
r (427)(3)(54)(x) 10304
r (431)(3)(54)(x) 10305
w (426)(3)(54)(x) 10306
r (428)(3)(54)(x) 10456
r (428)(2)(54)(x) 10457
w (427)(3)(54)(x) 10458
r (429)(3)(54)(x) 10608
w (428)(3)(54)(x) 10609
w (428)(3)(54)(x) 10610