

$p = 0$ or 1

$1 \leq n \leq 128$

Single-node
HPL [ranks
 $0 \dots 55$]

Multi-node
HPL [ranks
 $0 \dots 55$]

Multi-node
HPL [ranks
 $56 \dots 111$]

...

Multi-node
HPL [ranks $(n-1) \times 56 \dots n \times 56 - 1$]

IOR [ranks
 $0 \dots 55$]

IOR [ranks
 $56 \dots 111$]

...

IOR [ranks $(m-1) \times 56 \dots m \times 56 - 1$]

$m = 0, 1, \text{ or } n$