

# ADIOI\_GEN\_WriteStridedColl

Independent I/O  
branch

Collective I/O  
branch

interleaved

No

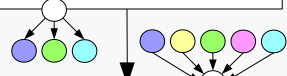
Yes

1

ADIOI\_Calc\_file\_domains

2

ADIOI\_Calc\_my\_req



3

ADIOI\_Calc\_others\_req

contiguous

No

Yes

ADIO\_WriteContig

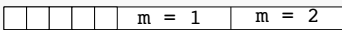
ADIO\_WriteStrided

5

MPI\_Allreduce

# ADIOI\_Exch\_and\_write

File Domain n



$ntimes = (end\_loc - st\_loc + coll\_bufsize) / coll\_bufsize$

m = 0

No

m < ntimes

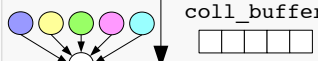
Yes

m++

ADIO\_WriteContig

# ADIOI\_W\_Exchange\_data

m = 0



coll\_buffer

MPI\_Alltoall

MPI\_Irecv

MPI\_Isend

MPI\_Waitall

