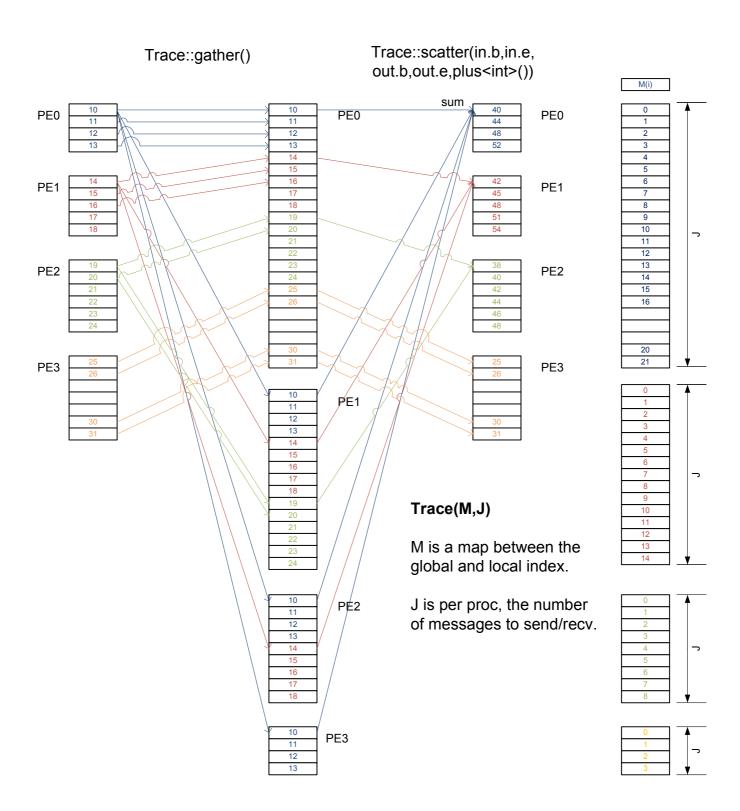
TigsTrace

Size_t onProcRange
Size_t onProcDomain
Map<int,vector<int>> IM
Vector<int>> IMV
Vector<int>> counts
Int IsideBufferSize
Int JsideBufferSize
Vector<int>> lsideConnects
Vector<int>> JsideConnects
Vector<vector<int>> IsideIndirect
Vector<vector<int>> JsideIndirect
Vector<int>> BmapList
Vector<int>> countsList

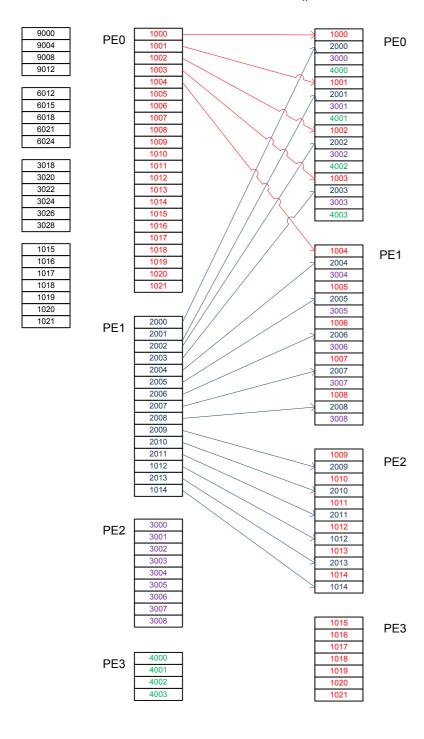
Void gather(T Bfirst, T Blast, T Afirst, T Alast)
Void scatterList(T Afirst, T Alast, T Cfirst, T Clast, T Bfirst, T Blast)
Void scatter(T Afirst, T Alast, T Bfirst, T Blast, BinaryOp op)
Int getListSize()
Int getRangeSize()

Enum GS_Tag

ANY_TAG
OK
FATAL
WARN
TRACE_INIT



Trace::scatterList()

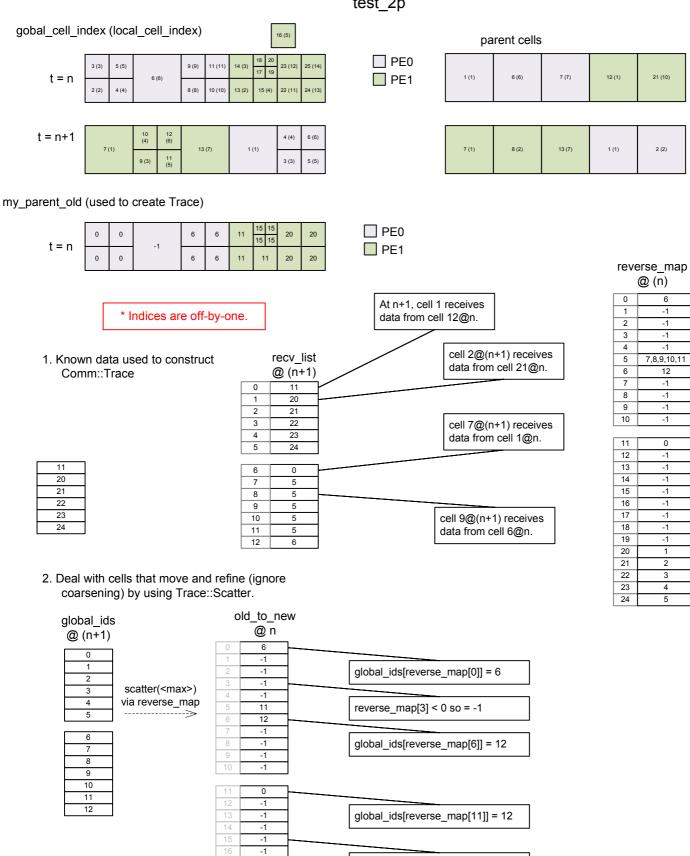


Trace::scatter(in.b,in.e,
 out.b,out.e,max<int>())

0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15

recv_list
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Wedgehog_dd/tstOld_to_New.cc test 2p



 $reverse_map[15] < 0 so = -1$

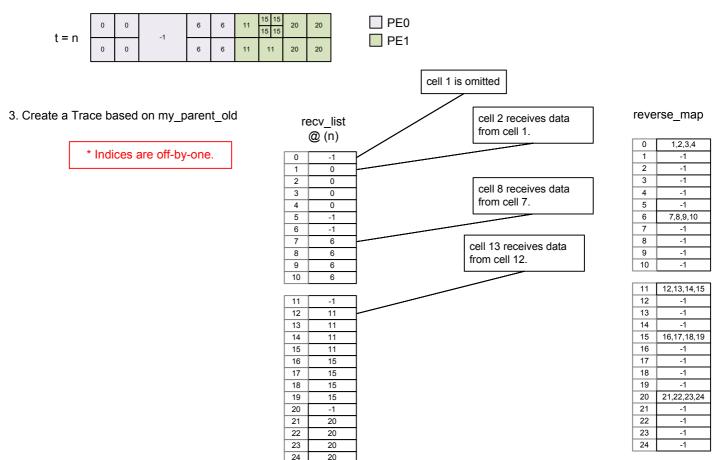
global_ids[reverse_map[21]] = 2

-1

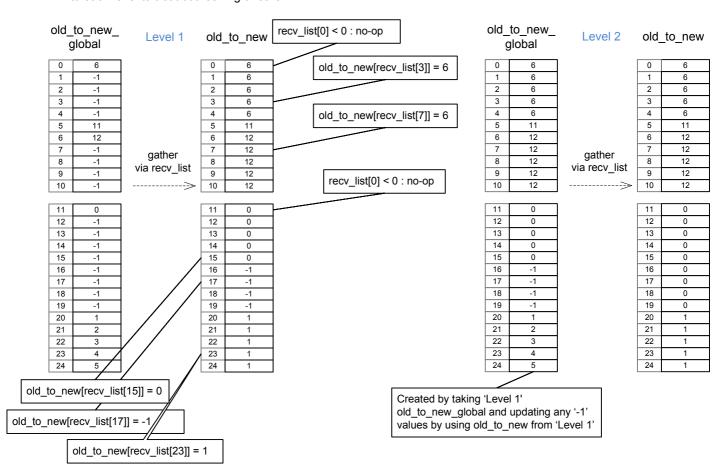
-1 1 2

Wedgehog_dd/tstOld_to_New.cc test 2p

my_parent_old (used to create Trace)



3. Loop over mesh levels, and apply Trace::gather to each level to treat coarsening of cells.



c4/tstSwap

determinate_swap(opid,odata,ipid,idata);

2 PEs	opid 1	odata 0 1	ipid 1	idata 0 0	determinate_swap	idata 1 0
	0	1 0	0	1 0		0 1
4 PEs	opid 1	odata 0 1	ipid 1	idata 0 0		idata 1 0
	0 3	1 0	0 2	0 0	determinate_swap	0 1
	1	2 1	3	0 0		3 2
	2	3 2	1	0		1 3