

Table 1: Out of 2170 test instances, we excluded the following 173 instances either because PaToH-Q could not allocate enough memory or one of the other partitioners could not partition the instances in the given time limit. The table is split into two groups: sparse matrix instances and SAT instances.

Hypergraph	k					
	2	4	8	16	32	64
12month1	△	△	△	△	△ ○	△ ○
192bit	□					
ASIC_680k	△	△	△	△	△	△
ESOC	□	□			□	□ ○
GL7d22	□△●○	□△●○	□△●○	□△●○	□△●○	□△●○
LargeRegFile	△	△	△	△	△	△
Rucci1					□	
Trec14						○
appu						○
circuit5M	□△	□△	□△●	□△●	□△●○	□△●○
gupta3						
hollywood-2009	△	△●○	△●○	△●○	△●○	△●○
human_gene2					○	○
kron_g500-logn16					○	○
n4c6-b11	□	□	□	□	□	□
nd12k						
nlpkkt120				●	●	●
rel9	□	□△●○	□△●○	□△●○	□△●○	□△●○
sls	□	□	□○	□○	□○	□○
004-80-8	□	□	□	□	□	□
005-80-12	□	□	□	□	□	□
007-80-8	□	□	□	□	□	□
008-80-12	□	□	□	□	□	□
008-80-8	□	□	□	□	□	□
010-80-12	□	□	□	□	□	□
11pipe.k			○	○	○	○
11pipe.q0.k						
9vliw_m_9stages.iq3.C1.bug10	○	●○	●○	●○	△●○	△●○
9vliw_m_9stages.iq3.C1.bug7		●○	●○	△●○	△●○	△●○
9vliw_m_9stages.iq3.C1.bug8		●○	●○	●○	△●○	△●○
bjrb07amba10andenv	□	□	□	□	□	□
blocks-blocks-37-1.130-NOTKNOWN		□	□	□	□	□
q_query_3_L150_coli.sat						
q_query_3_L200_coli.sat			○	○	○	△○
velev-vliw-uns-2.0-ug5						

Table 2: *

△	: KaHyPar exceeded time limit
●	: hMetis-R exceeded time limit
○	: hMetis-K exceeded time limit
□	: PaToH-Q memory allocation error