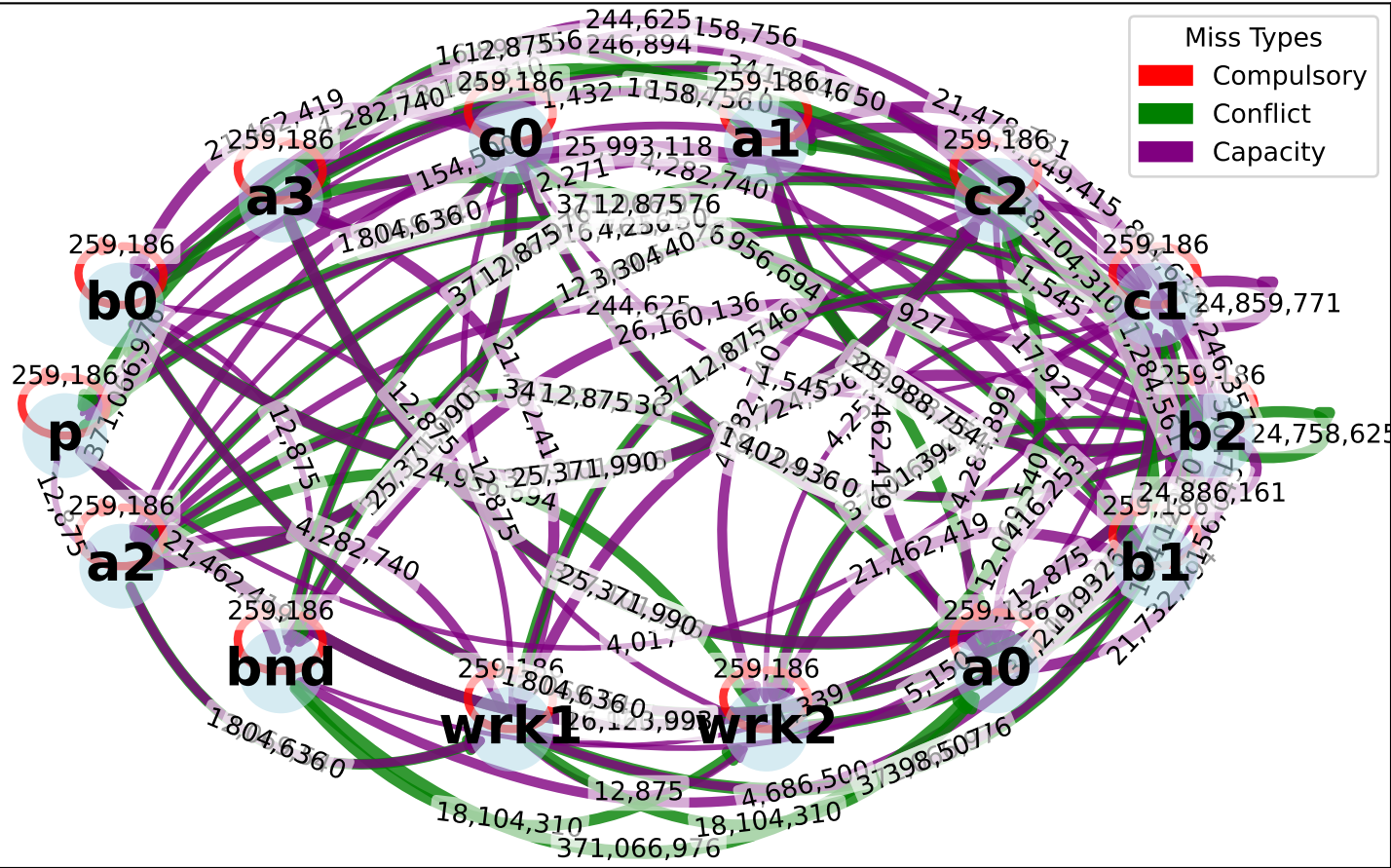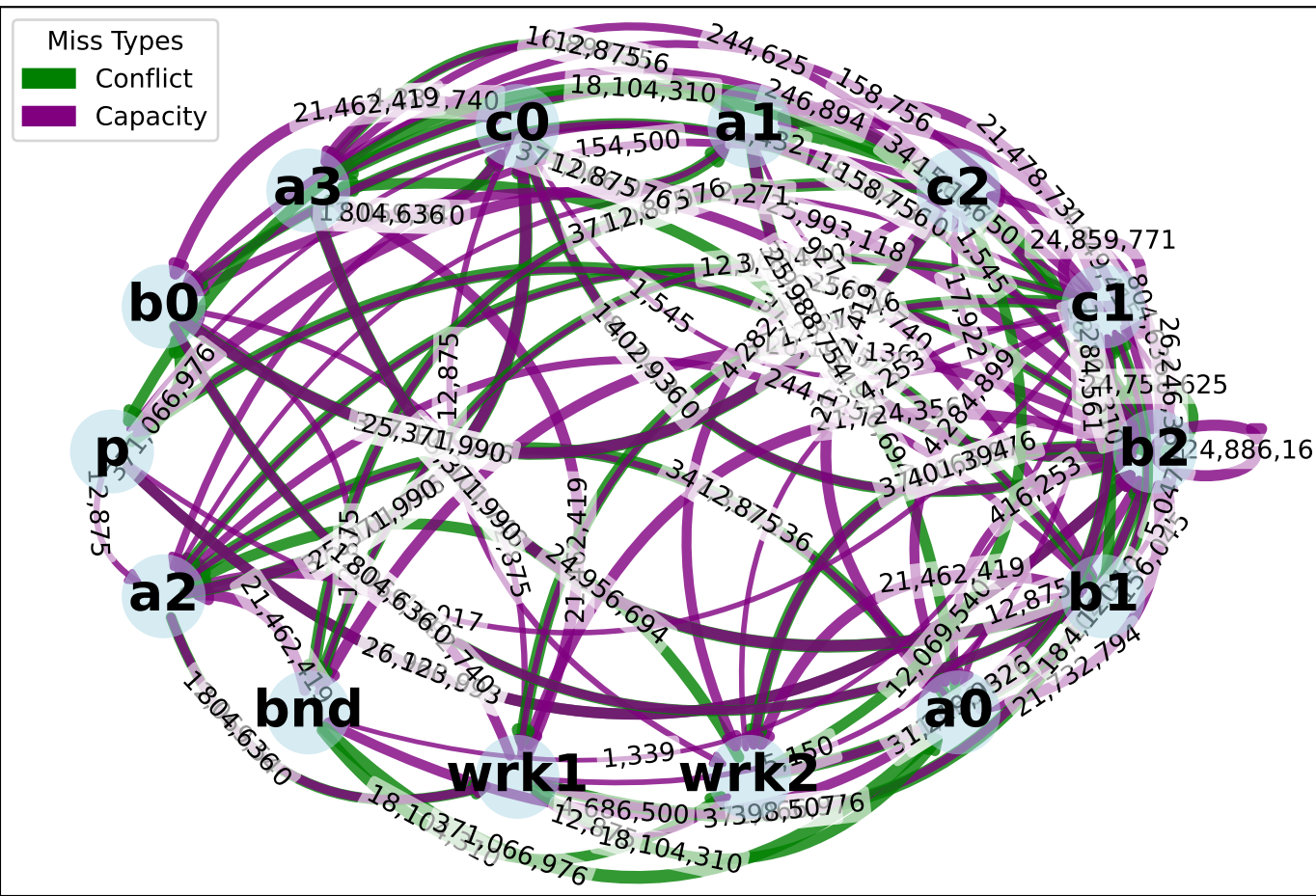Cache Interaction Graph for the Whole Program
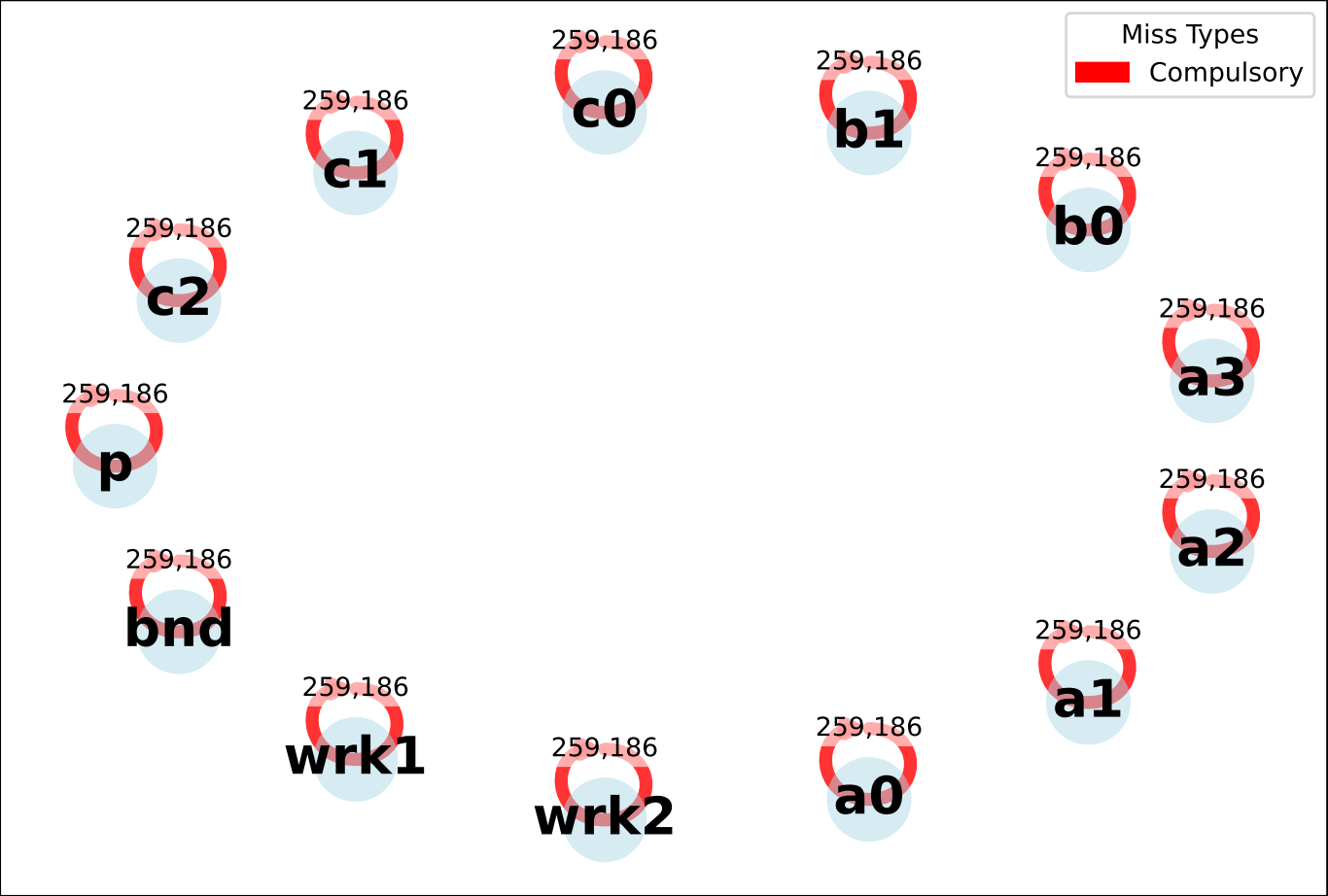
Cache Interaction Graph for himenoBMTxpa.c:jacobi._omp_fn.0

Data Locality
(16 words per cache line)

Miss Types
- Conflict (green)
- Capacity (purple)

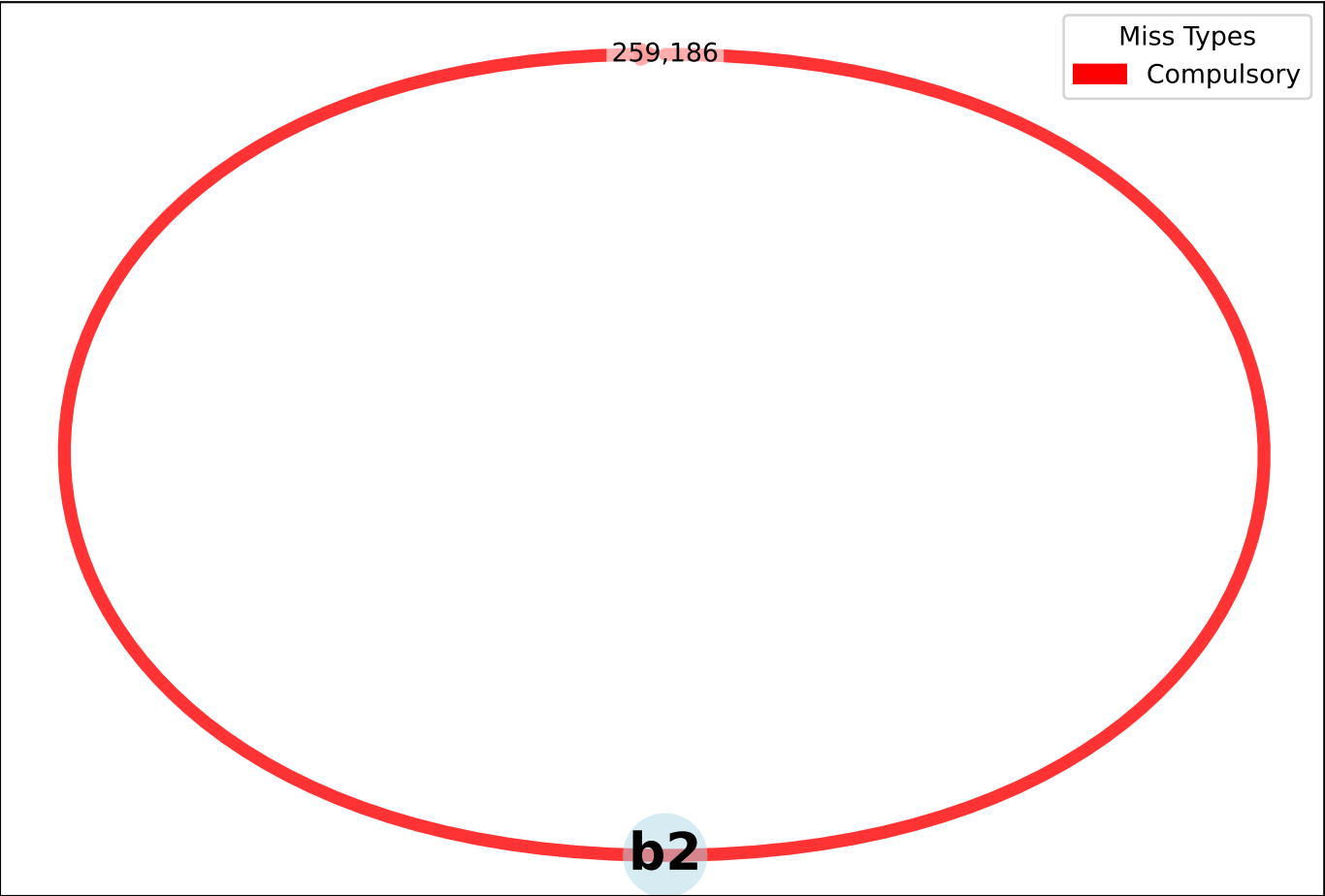| VAR	Word#	Reuse#
p	1.00	0.00
bnd	1.00	0.00
wrk1	1.00	0.00
wrk2	1.00	0.00
a0	1.00	0.00
a1	1.00	0.00
a2	1.00	0.00
a3	1.00	0.00
b1	1.00	0.00
b2	5.60	1.40
c1	1.88	0.13
c2	1.00	0.00
c0	1.00	0.00
b0	1.00	0.00

Cache Interaction Graph for himenoBMTxpa.c:mat_set

Data Locality
(16 words per cache line)

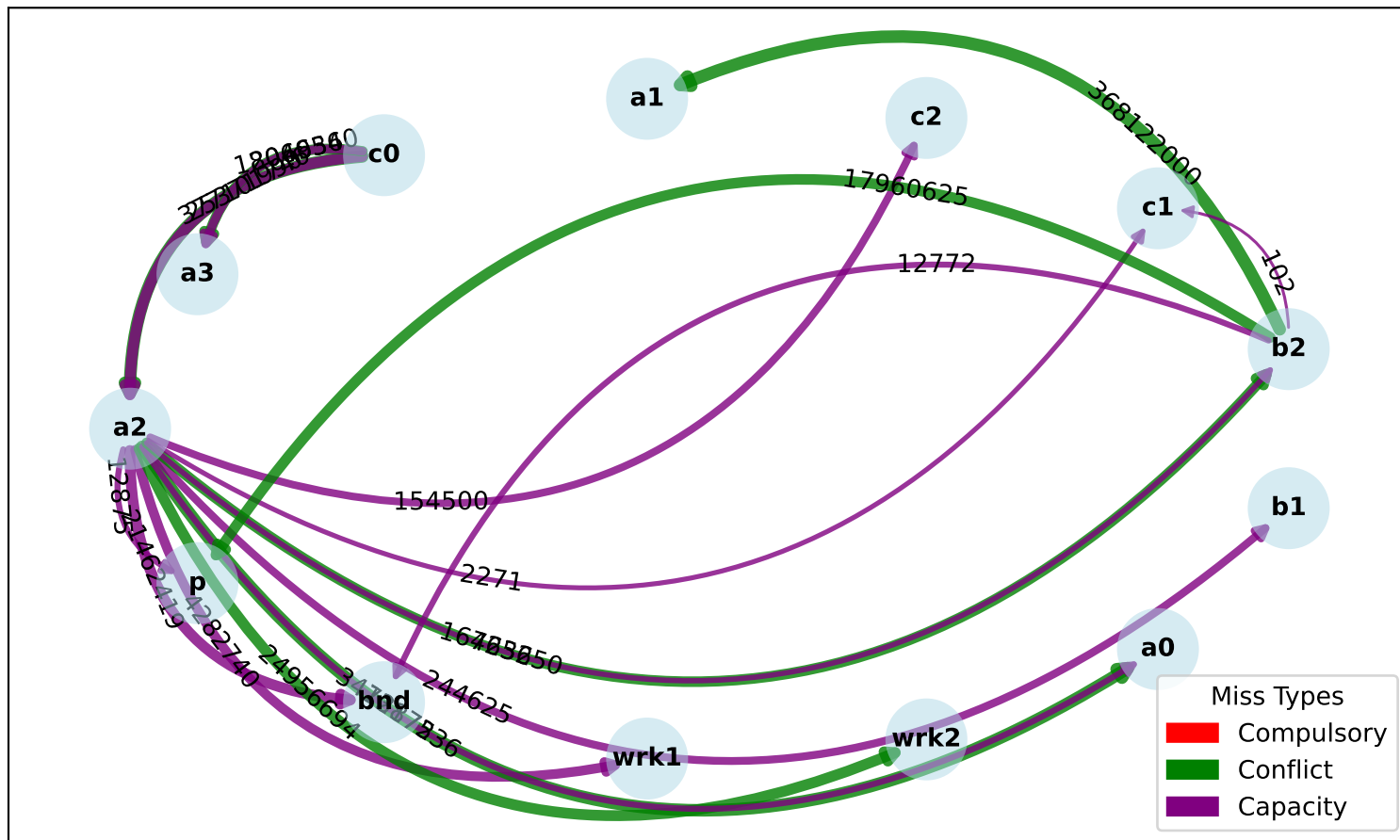| VAR	Word#	Reuse#
p	16.00	0.19
bnd	16.00	0.19
wrk1	16.00	0.19
wrk2	16.00	0.19
a0	16.00	0.19
a1	16.00	0.19
a2	16.00	0.19
a3	16.00	0.19
b0	16.00	0.19
b1	16.00	0.19
c0	16.00	0.19
c1	16.00	0.19
c2	16.00	0.19

Cache Interaction Graph for himenoBMTxpa.c:mat_set_init
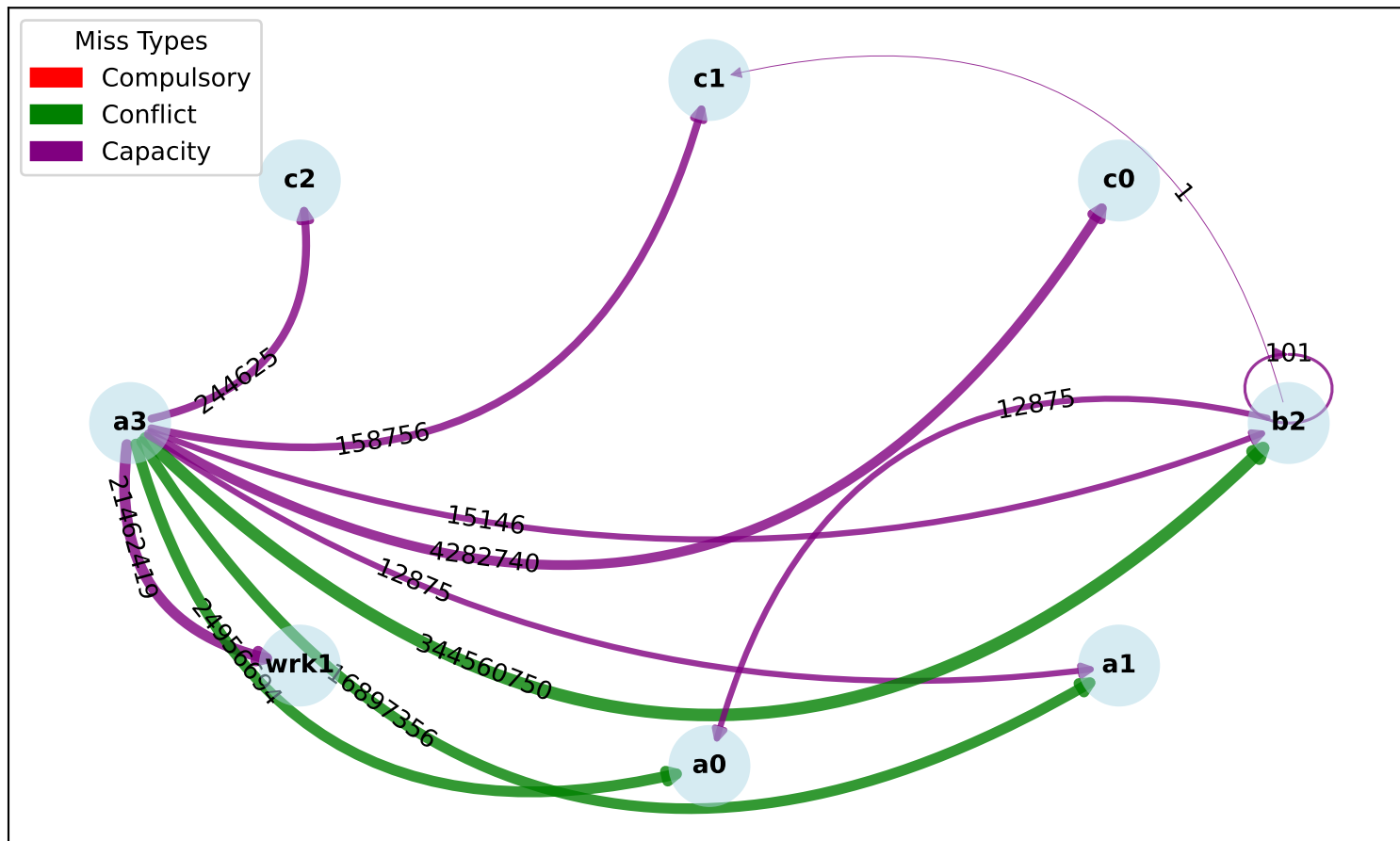
Data Locality
(16 words per cache line)

259,186

Miss Types	
🟥	Compulsory

b2

VAR	Word#	Reuse#
b2	16.00	0.19

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:368

Miss Types
- **Compulsory** (red)
- **Conflict** (green)
- **Capacity** (purple)

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:369

Miss Types
- Compulsory
- Conflict
- Capacity

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:370

Miss Types
- Compulsory (red)
- Conflict (green)
- Capacity (purple)

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:372

Miss Types
- **Compulsory** (red)
- **Conflict** (green)
- **Capacity** (purple)

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:373
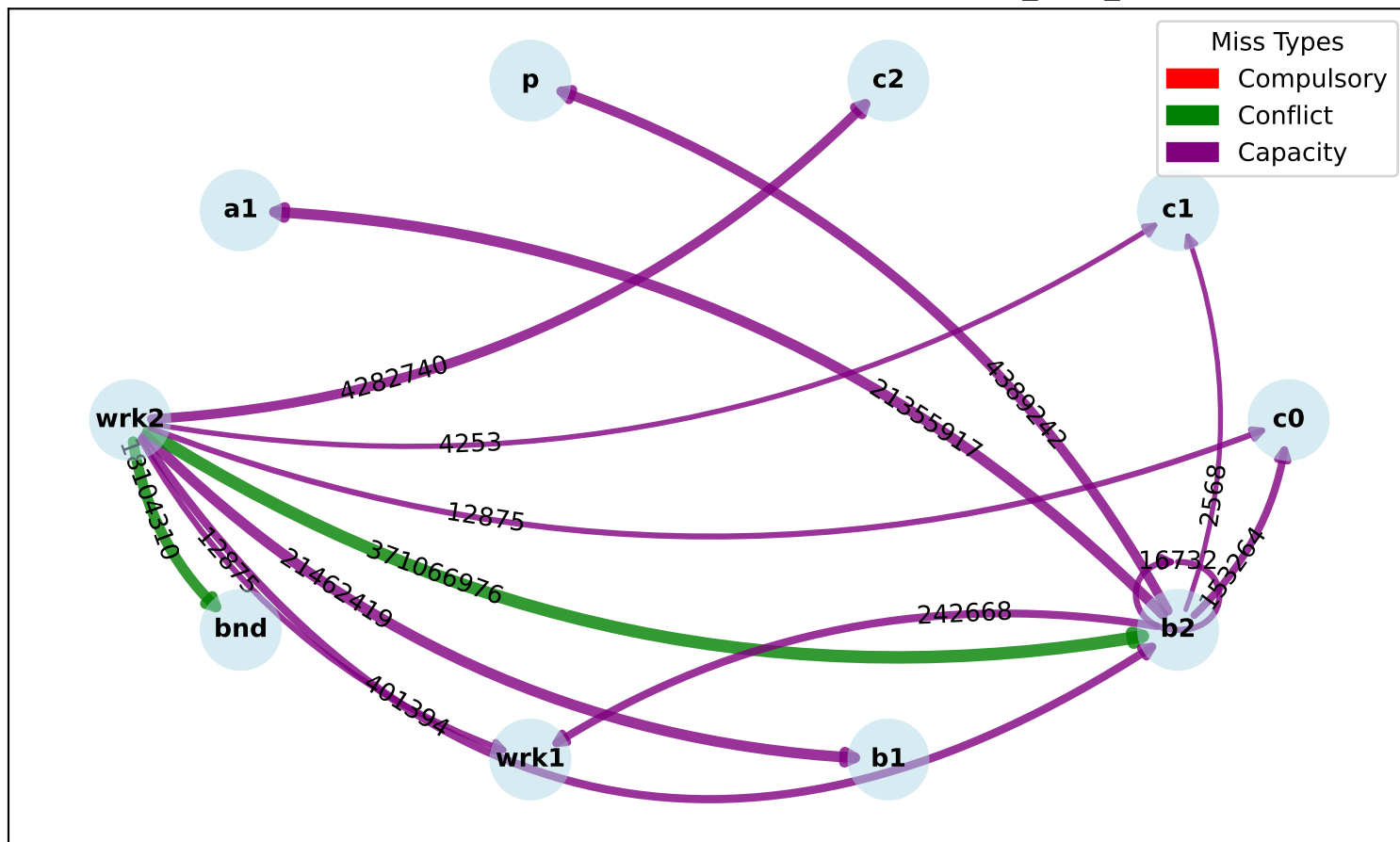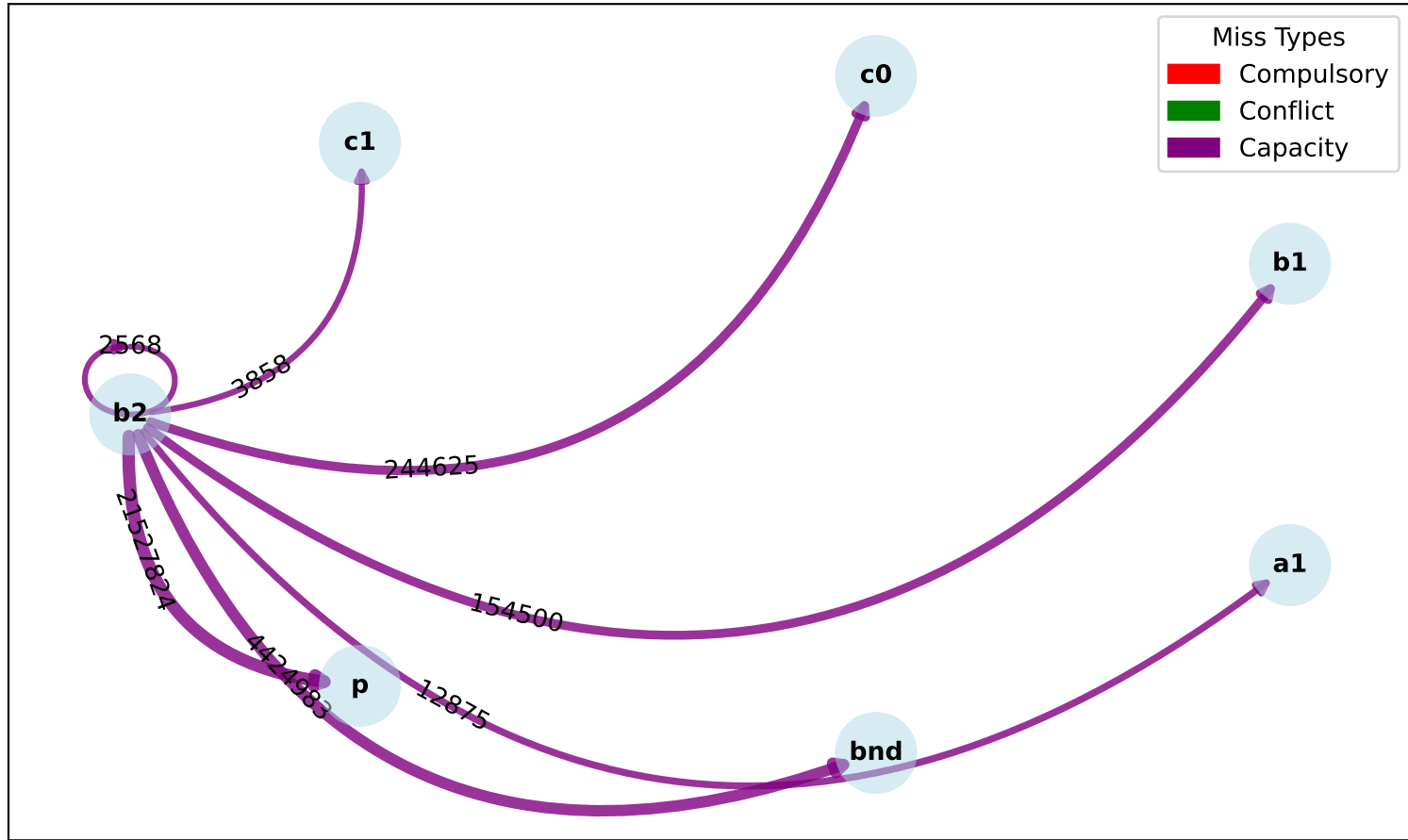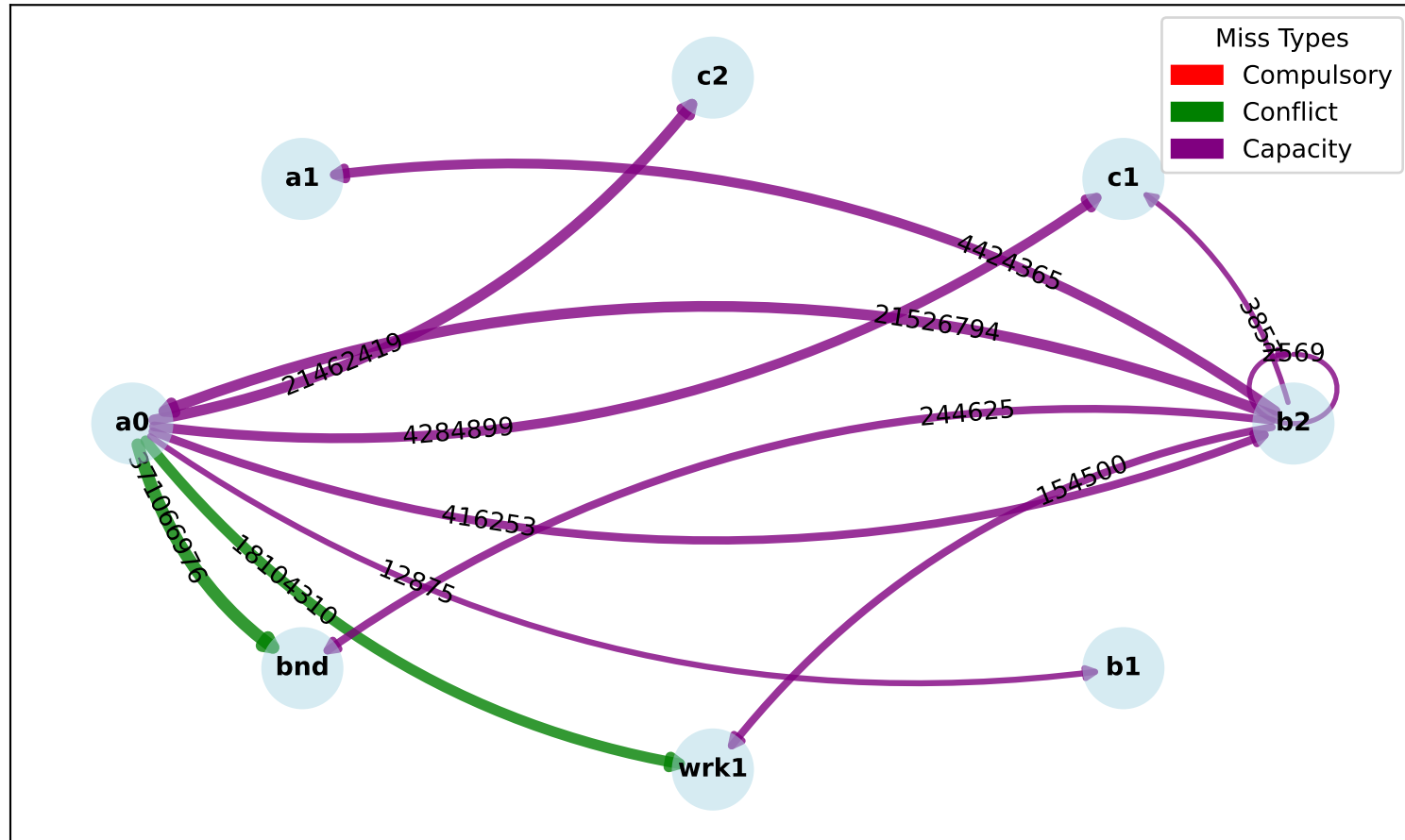
Miss Types
- Compulsory
- Conflict
- Capacity
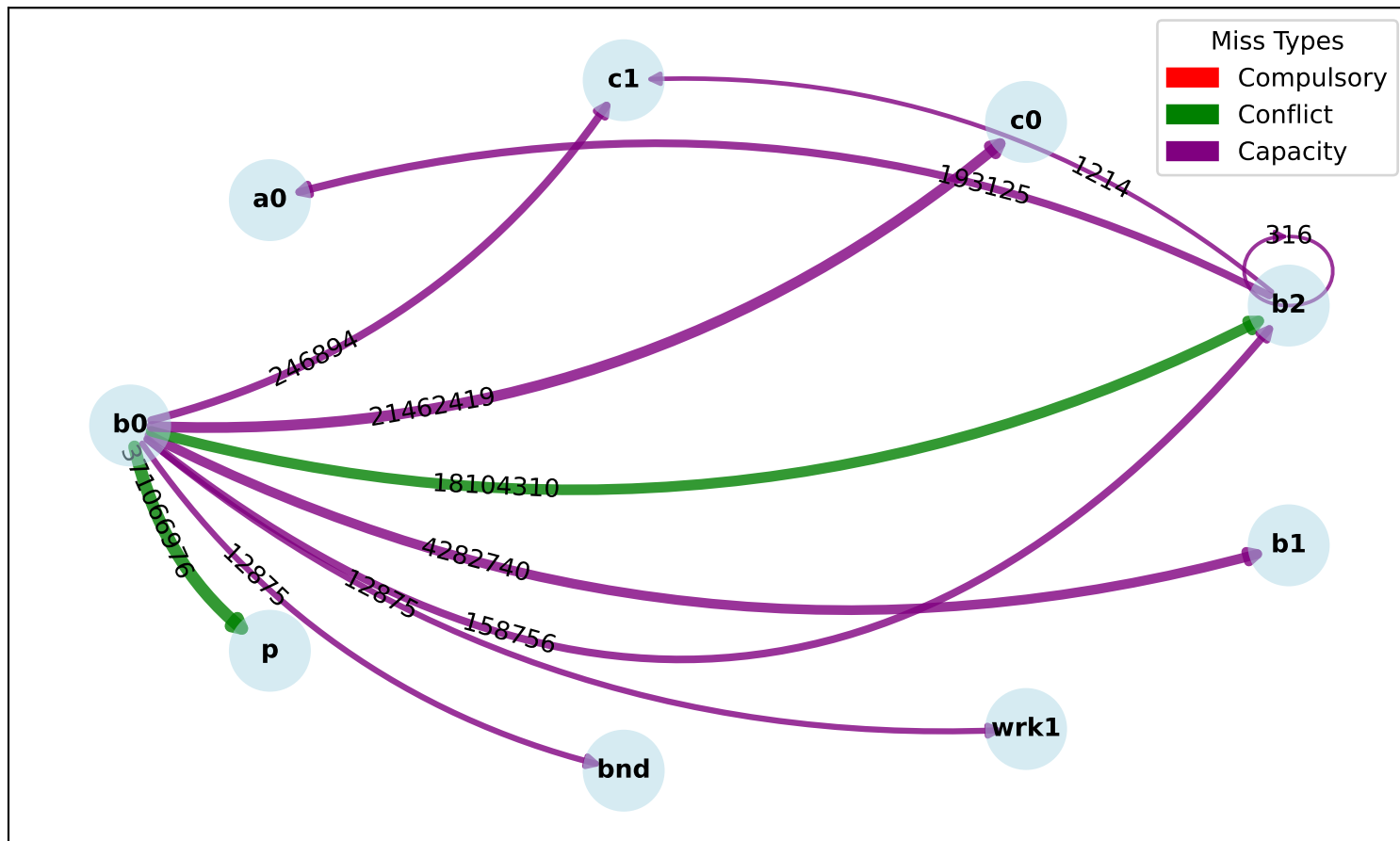
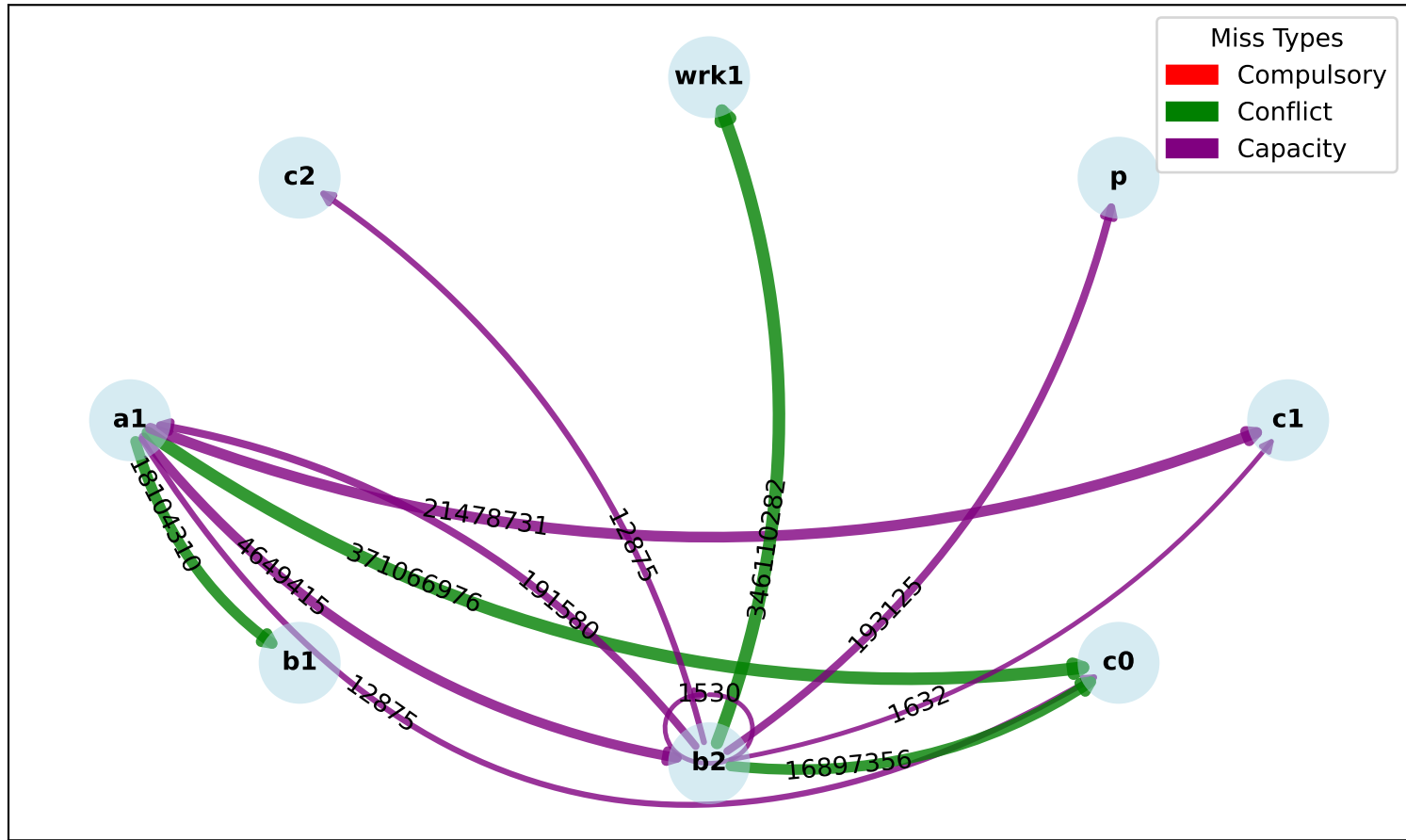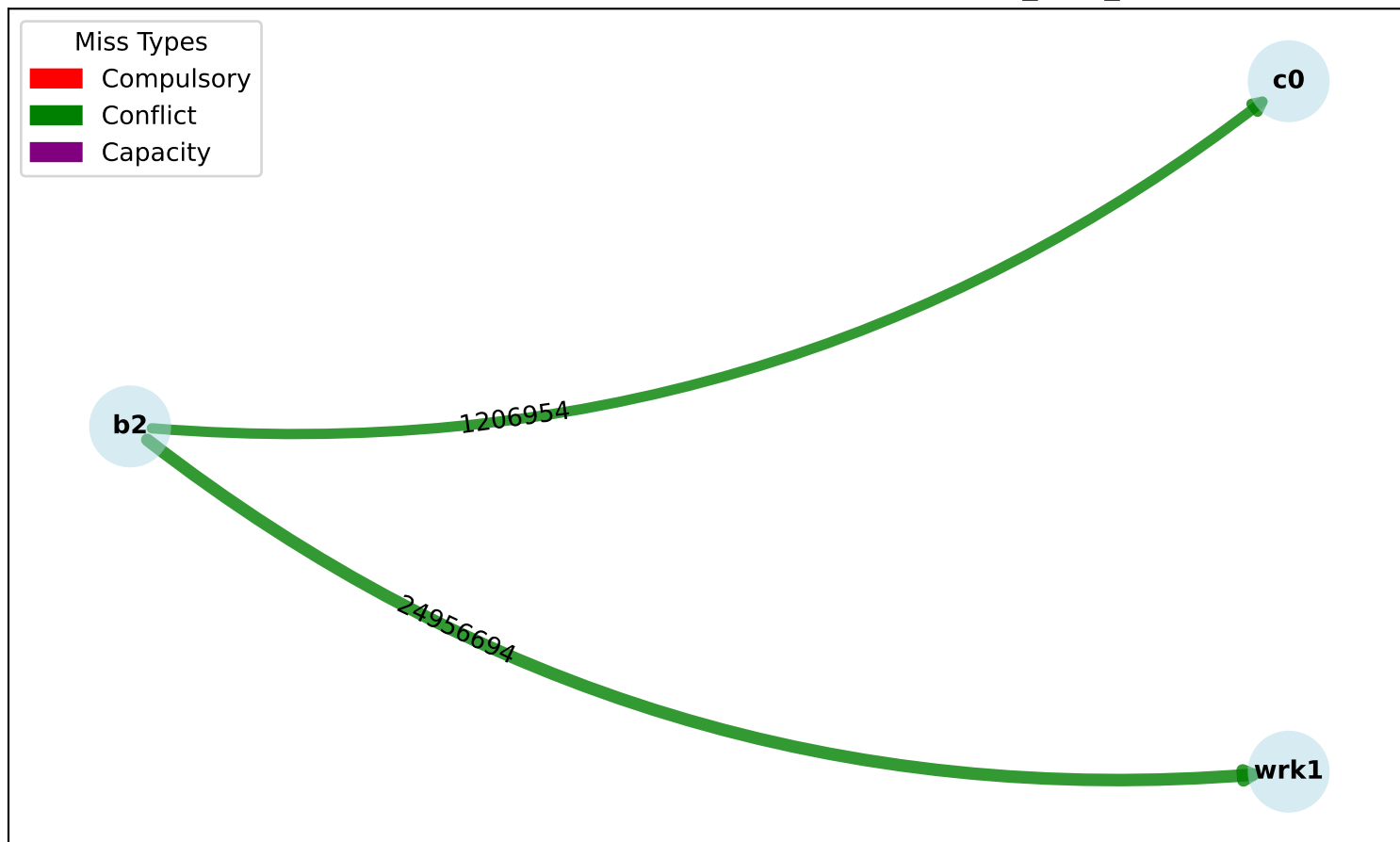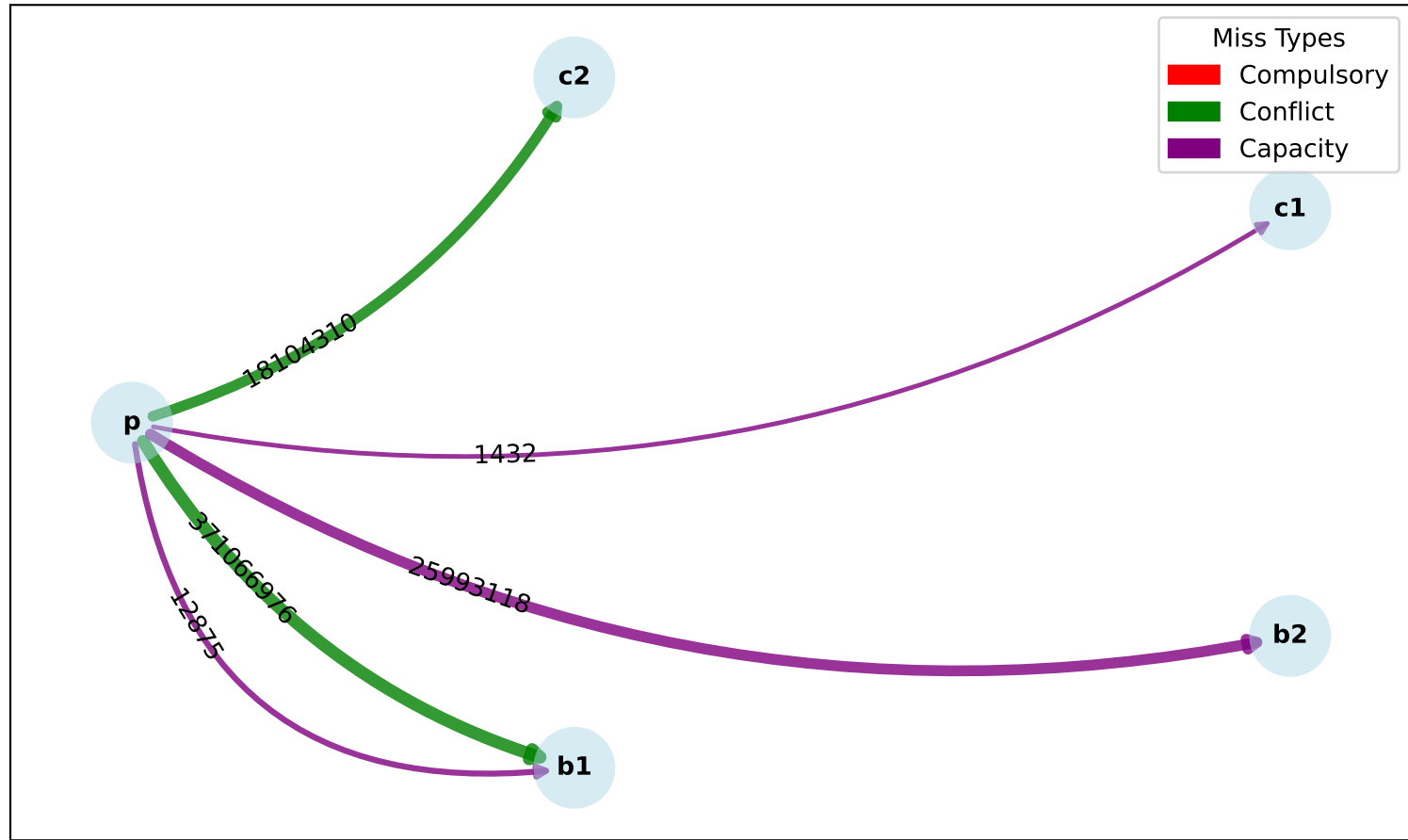Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:375

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:378

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:379

Miss Types
- Compulsory
- Conflict
- Capacity

c0

b2

wrk1

1206954

24956694

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:380

Legend (Miss Types):
- Compulsory (red)
- Conflict (green)
- Capacity (purple)

Edge labels:
- p → c2: 18104310
- p → c1: 1432
- p → b1: 371066976
- p → b1: 12875
- p → b2: 25993118

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:381

Legend — Miss Types:
- Compulsory (red)
- Conflict (green)
- Capacity (purple)

Edge labels:
- bnd → c2: 12875
- bnd → c2: 371066976
- bnd → c1: 3304
- bnd → b2: 12069540
- bnd → b2: 26160136

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:382

Miss Types
- Compulsory
- Conflict
- Capacity

c1

wrk1

b2

a2

377101746

12875

21724356

12069540

804636

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:385

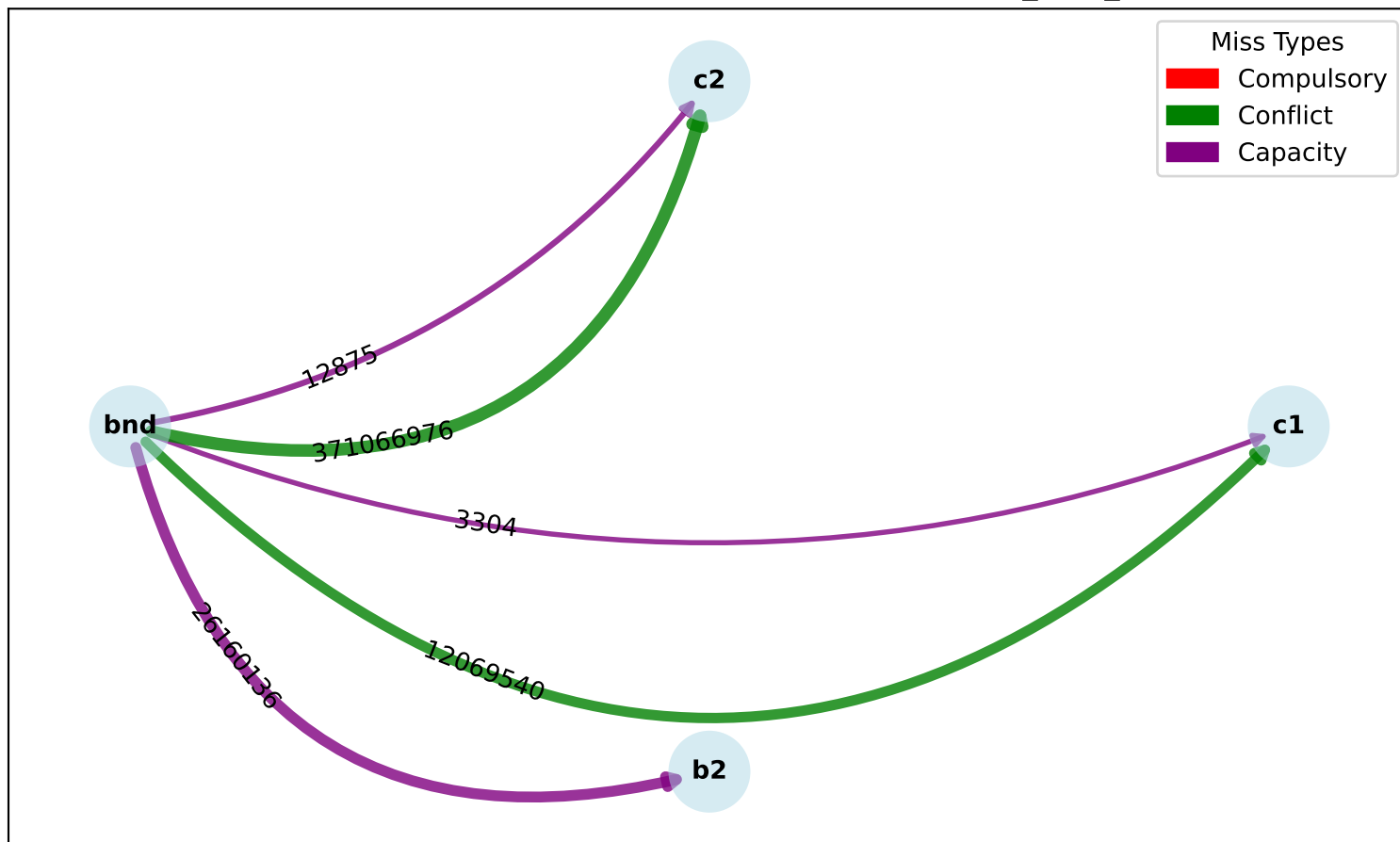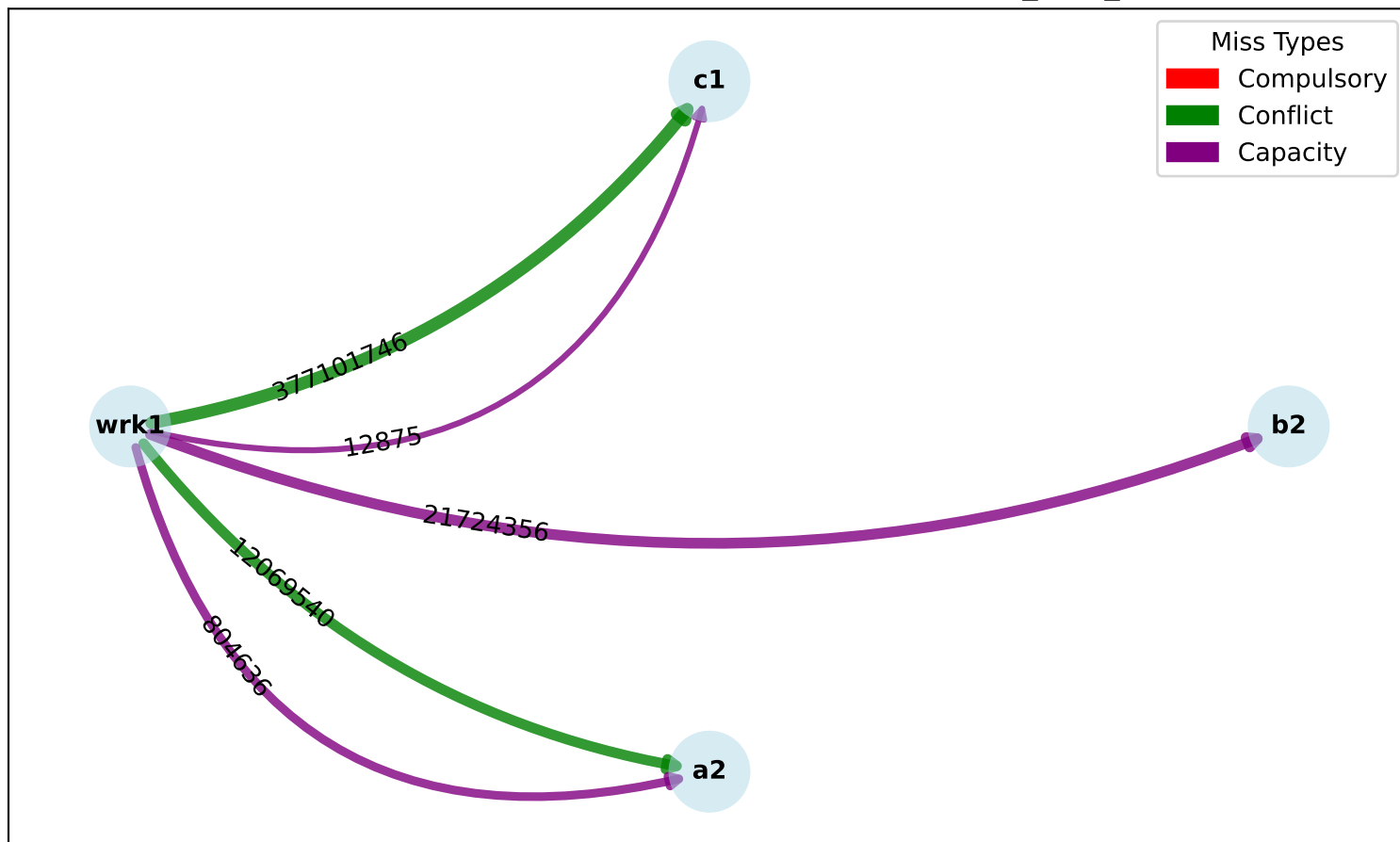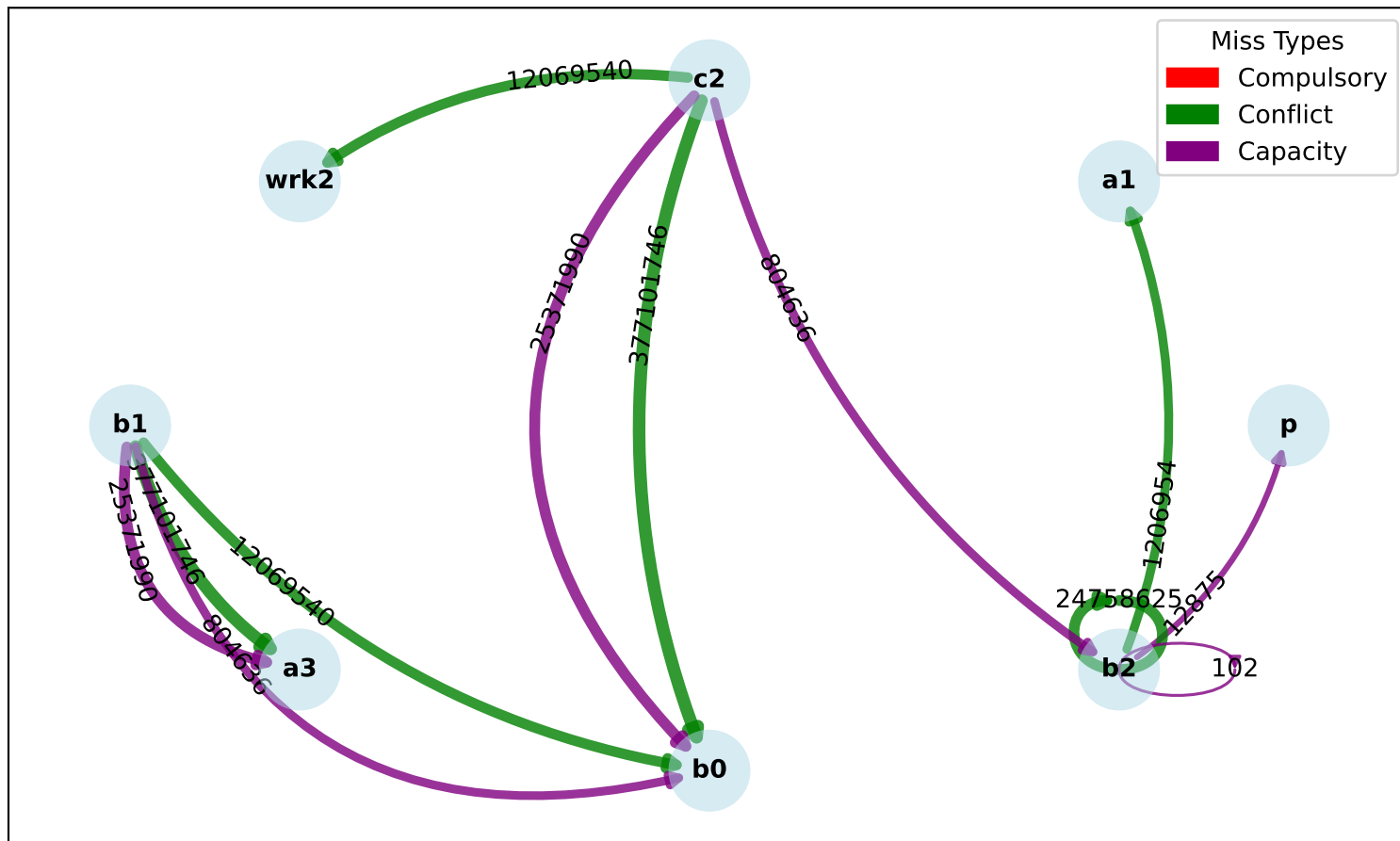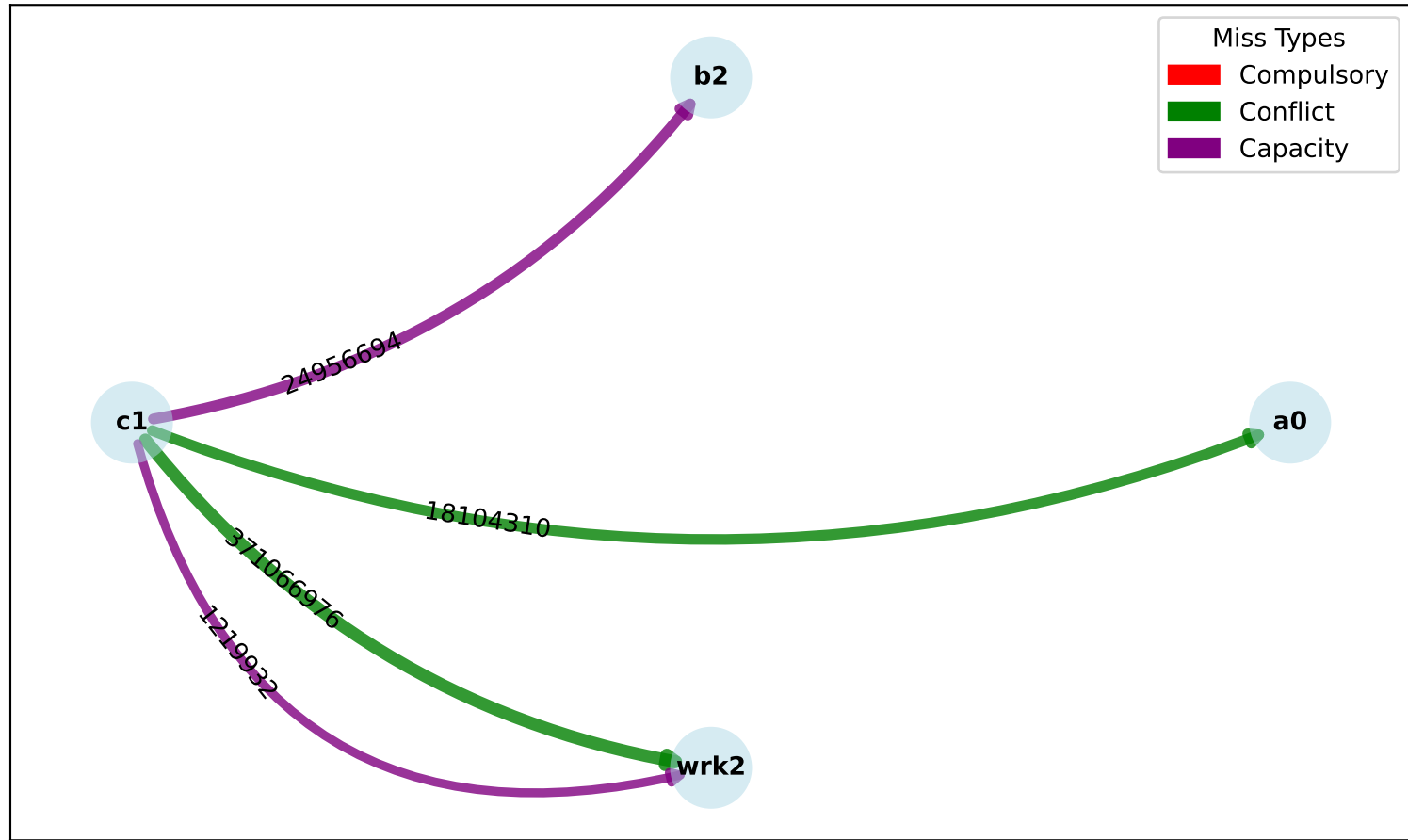Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:389

Miss Types
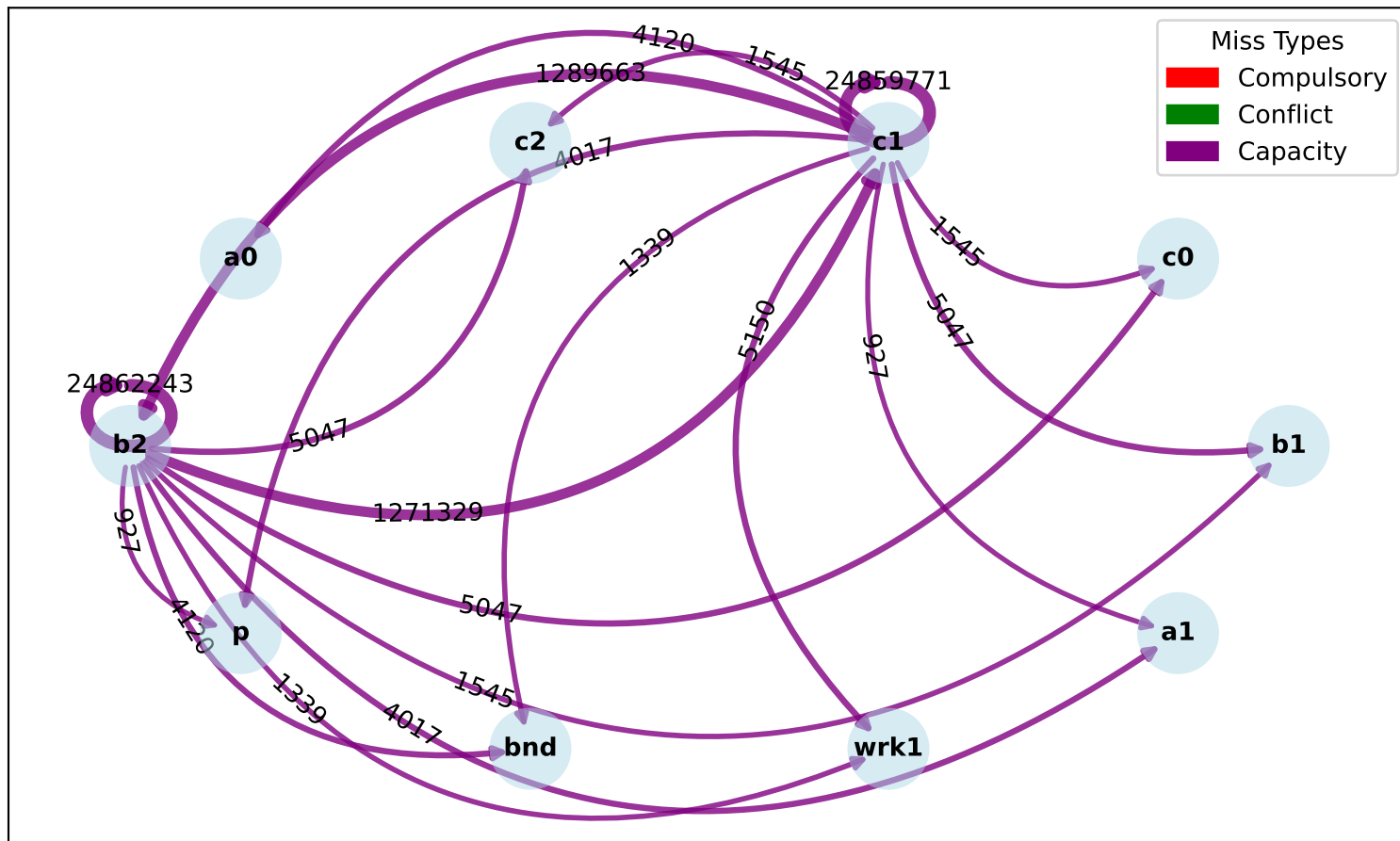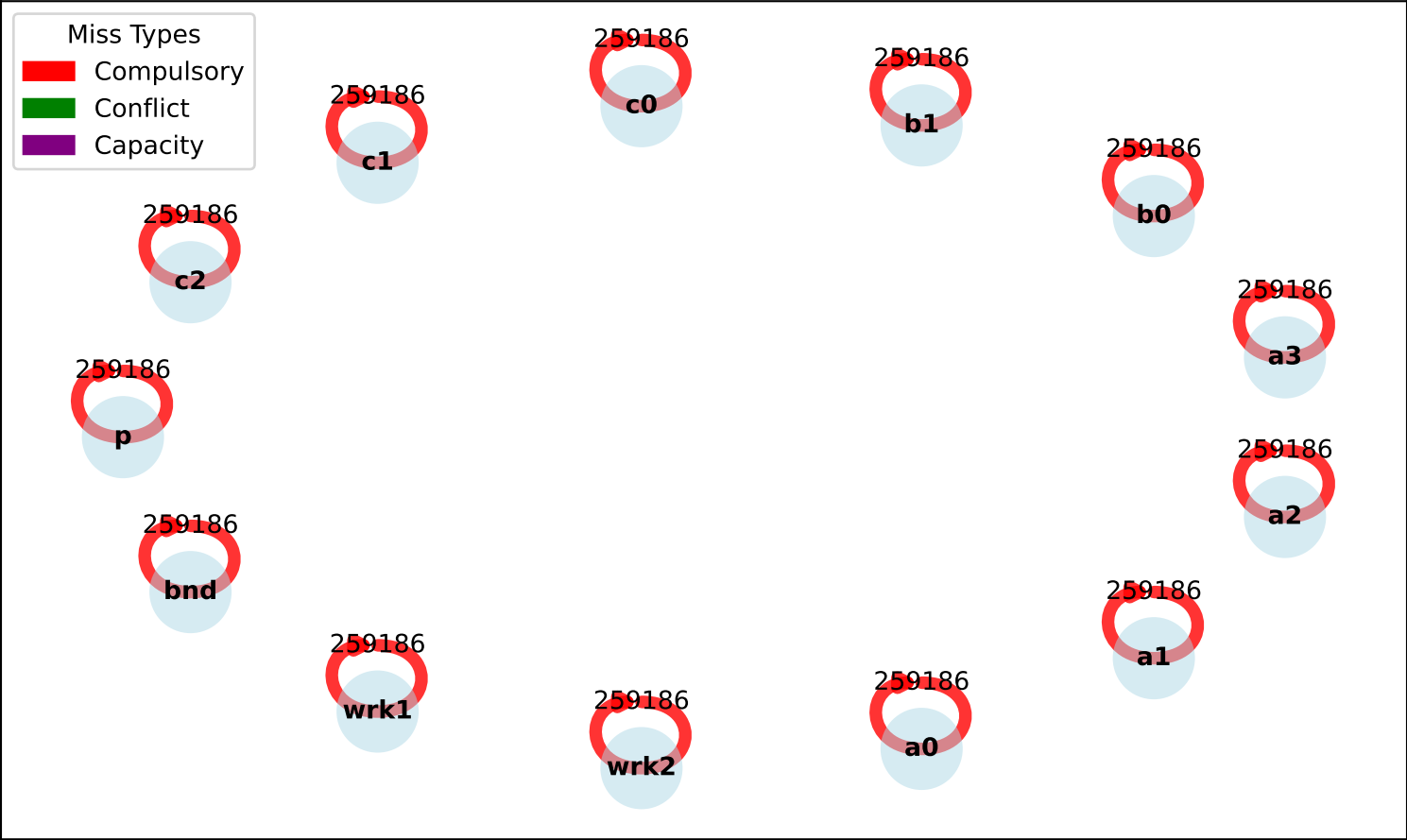- Compulsory (red)
- Conflict (green)
- Capacity (purple)

Nodes: b2, c1, a0, wrk2

Edge labels:
- c1 — b2: 24956694 (Capacity)
- c1 — a0: 18104310 (Conflict)
- c1 — wrk2: 371066976 (Conflict)
- c1 — wrk2: 1219932 (Capacity)

Cache Interactiton Graph for himenoBMTxpa.c at jacobi._omp_fn.0:396

Miss Types
Compulsory
Conflict
Capacity

Cache Interactiton Graph for himenoBMTxpa.c at mat_set:329

Cache Interactiton Graph for himenoBMTxpa.c at mat_set_init:341