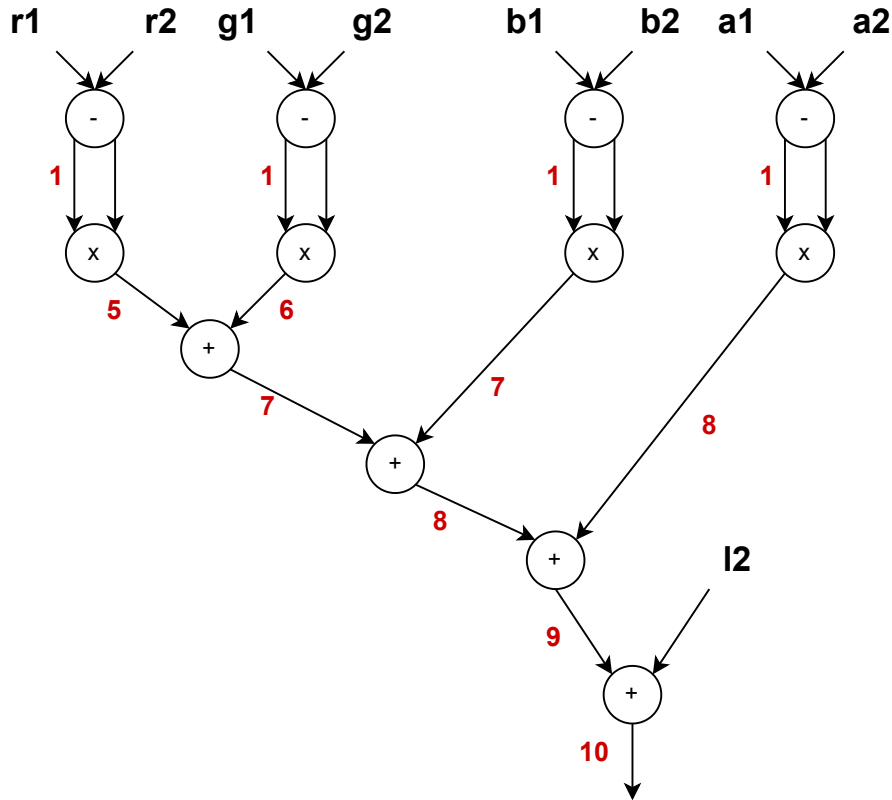


Dependency graph for Loss Function



Intel Skylake - Integer instructions timing

ADD SUB: latency = 1; throughput = 4

IMUL: latency = 3-4; throughput = 1

Problems:

- Latency of multiplication when we don't do anything
- We wait for one cycle after we finished 1st multiplication
- After that, we perform only 1 addition per cycle when throughput is 4