

Loop Pipelining + Unrolling (factor 2) + Duplicated Datapath

Execution time: (M/2)/2+2 cycles

INS AM/2+1 INS AM/2+2

INS B1 INS B2 INS A3 INS A4

INS BM/2+1 INS BM/2+2 INS AM/2+3 INS AM/2+4

INS Cm/2+1 INS Cm/2+2 INS Bm/2+3 INS Bm/2+4

INS CM/2+3 INS CM/2+4

INS C1 INS C2 INS B3 INS B4 ... INS C3 INS C4 ...

INS A1 INS A2