

①

ADD: 1111 COMP: 1
MAX: 1111 SHIFT: 1
SUB: 1 REG: 7

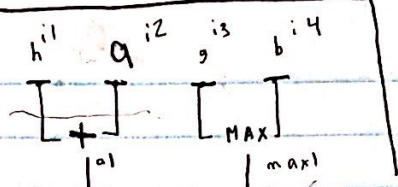
Optimality = $1000 \times \frac{178}{200} = 89\%$

Aim for Tput = $\frac{1}{4}$ or $\frac{1}{2}$ by pipelining

Aim for Latency = 4

MAX + ADD

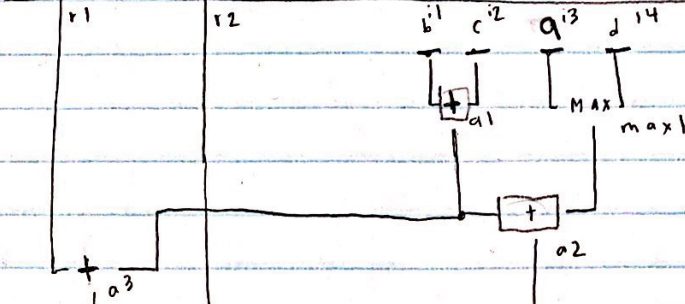
0



①

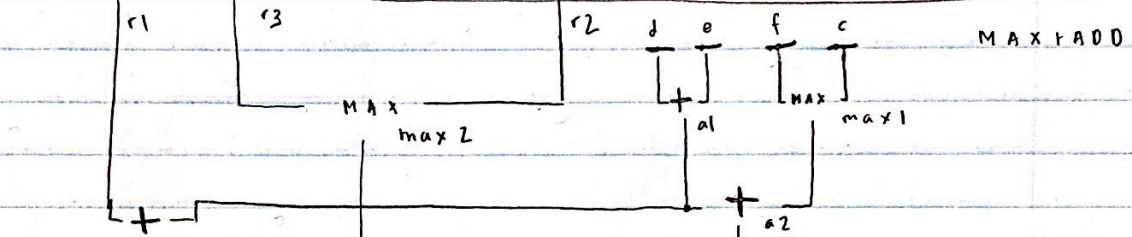
1

1/4



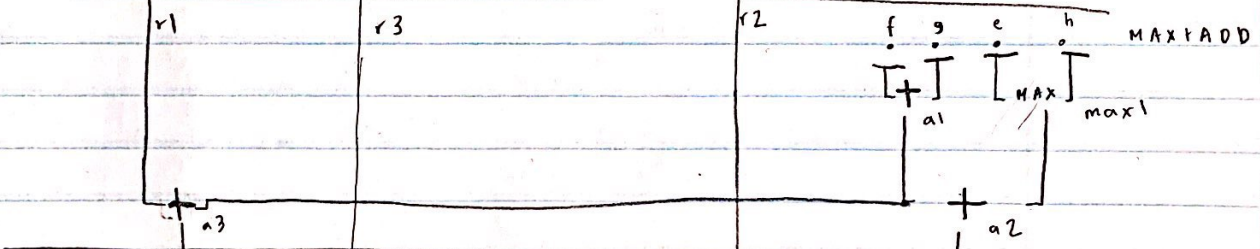
MAX + ADD

2



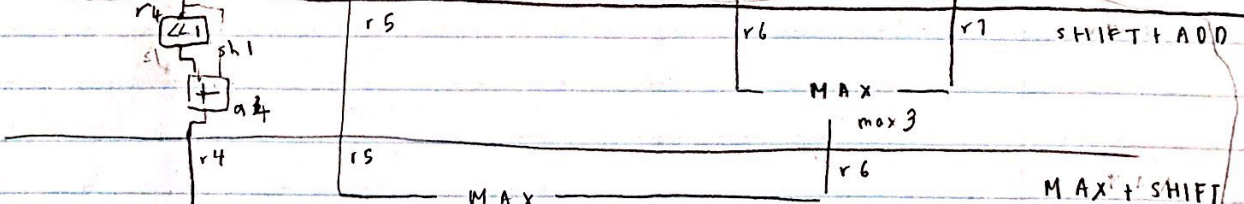
MAX + ADD

3



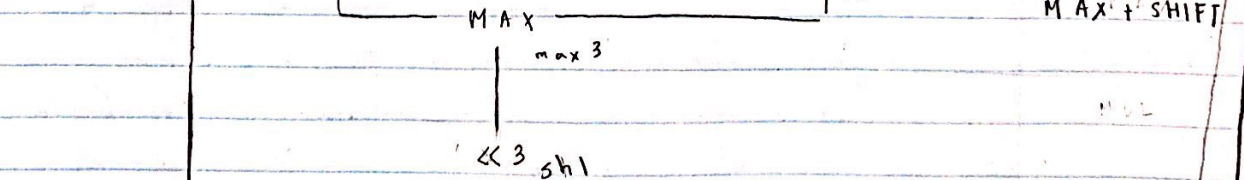
MAX + ADD

4



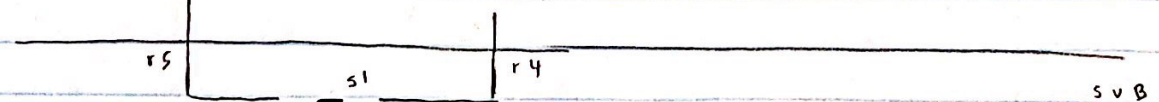
SHIFT + ADD

5



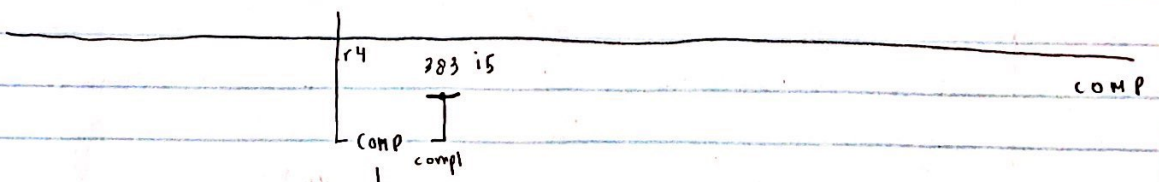
MAX + SHIFT

6



SUB

7



COMP

8



o-dir