Belief Propagation [Intel i5-7200U 2.5 GHz, g++ -Ofast -march=native]

Vector Roofline

Scalar Roofline

P(n) [flops/cycle]

8

2

L1 β: 81 B/c

L2 β: 29 B/c

L3 β: 18 B/c

mem β: 6 B/c

0.01   0.10   1.00

I(n) [flops/byte]
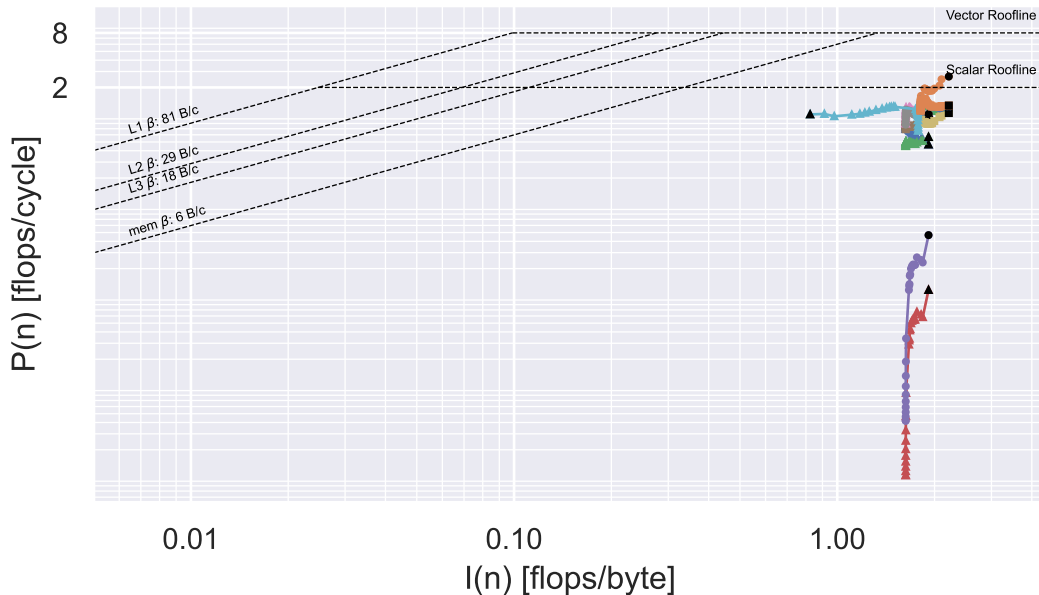
from_scratch -DOPTVARIANT=10 -Ofast -march=native

from_scratch -DOPTVARIANT=11 -frename-registers -Ofast -march=native

from_scratch -DOPTVARIANT=13 -Ofast -march=native

from_scratch -DOPTVARIANT=1 -Ofast -march=native

from_scratch -DOPTVARIANT=2 -Ofast -march=native