

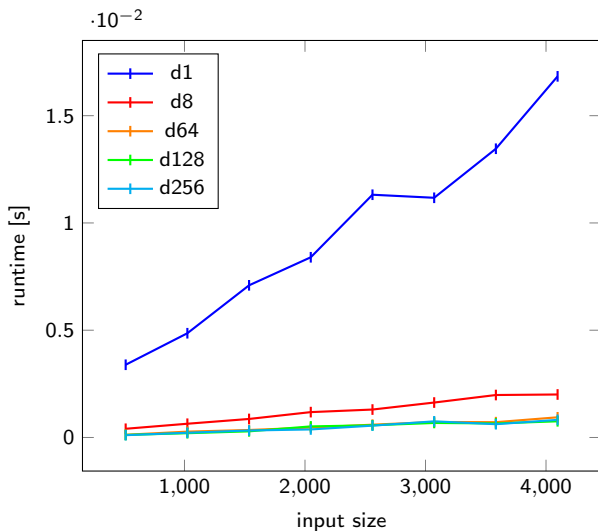
# Sevarebench Measurement Results

MP-Slice Scalable Search

Various Measurements

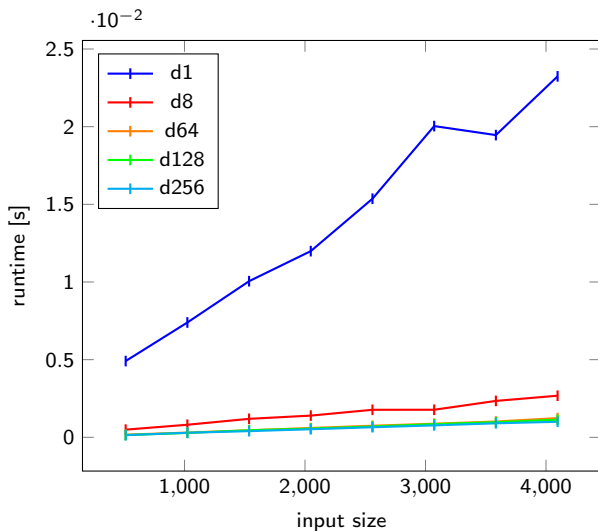
December 13, 2022

# MP-Slice Runtimes Protocol -s 1



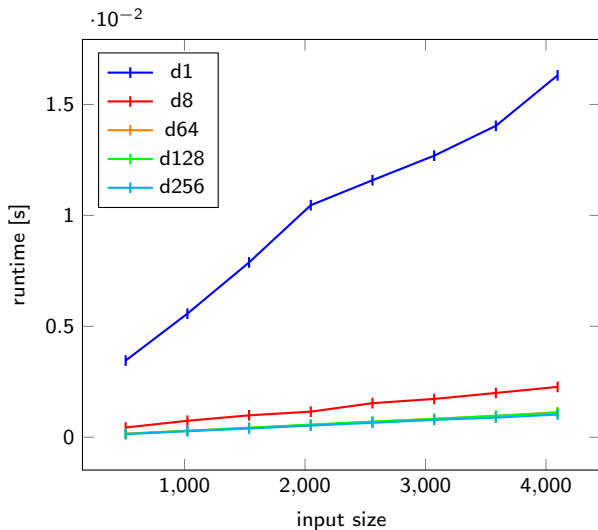
- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 1
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

# MP-Slice Runtimes Protocol -s 2



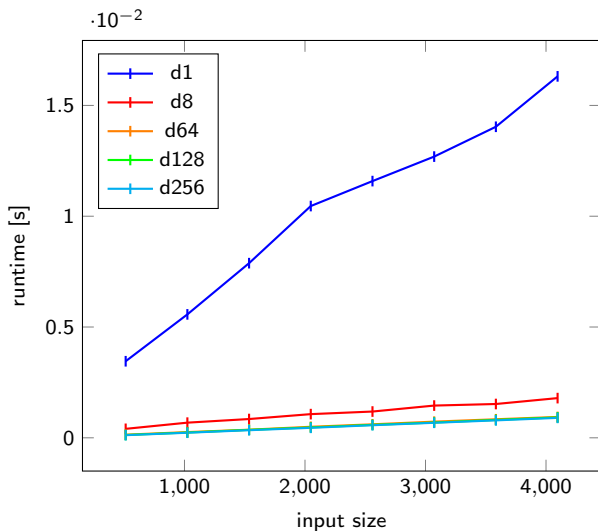
- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 2
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

# MP-Slice Runtimes Protocol -s 3



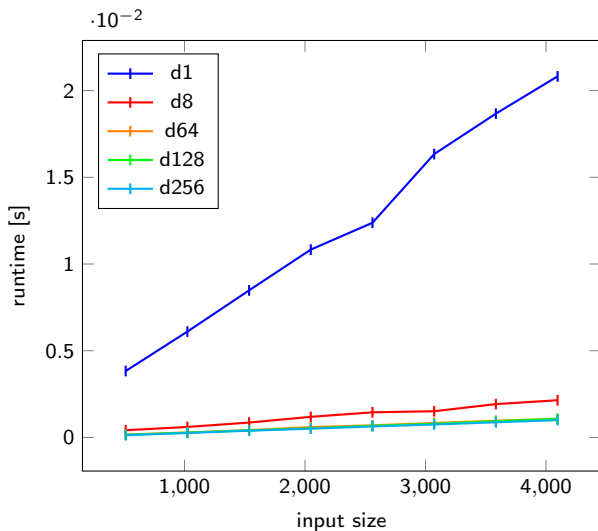
- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 3
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

# MP-Slice Runtimes Protocol -s 4



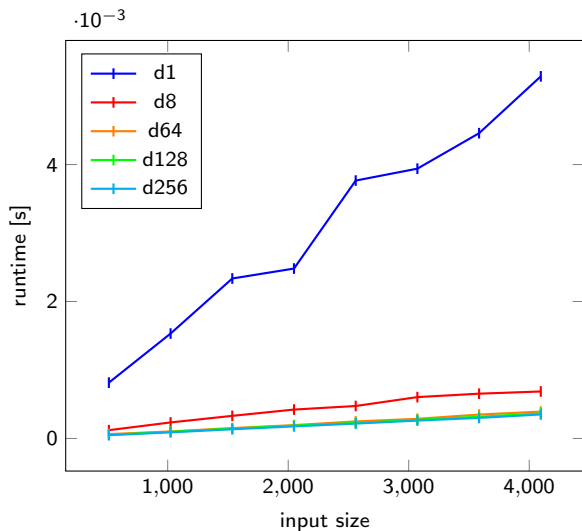
- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 4
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

# MP-Slice Runtimes Protocol -s 5



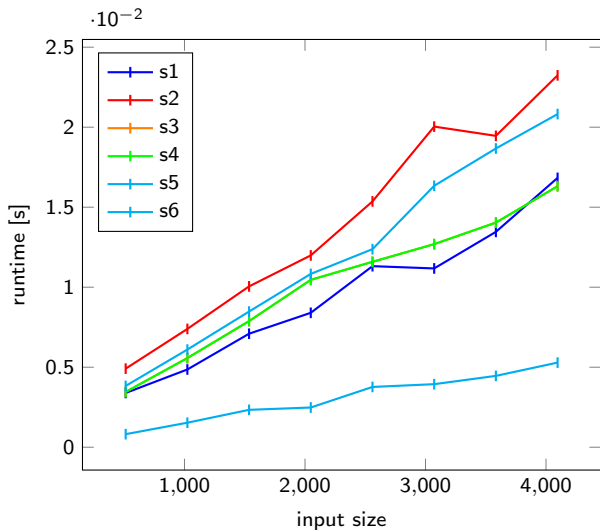
- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 5
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

# MP-Slice Runtimes Protocol -s 6



- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 6
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

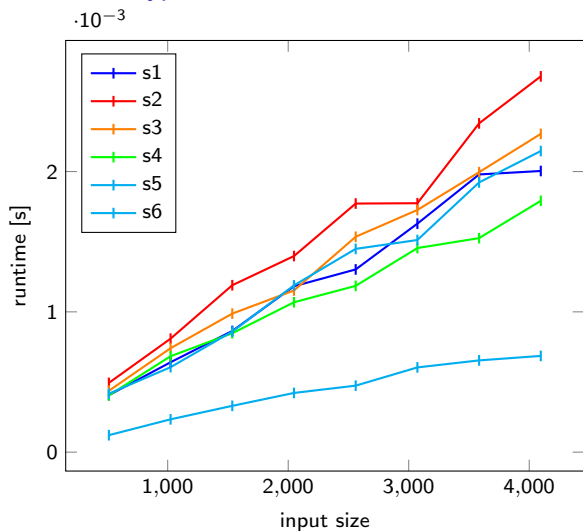
# MP-Slice Runtimes Datatype -d 1



- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d 1
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

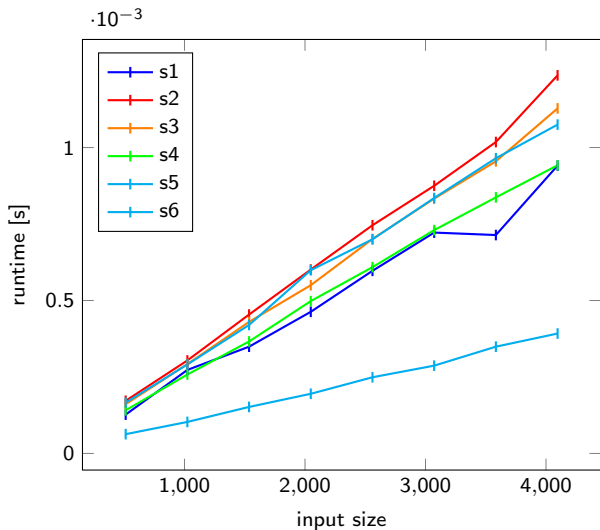


## MP-Slice Runtimes Datatype -d 8



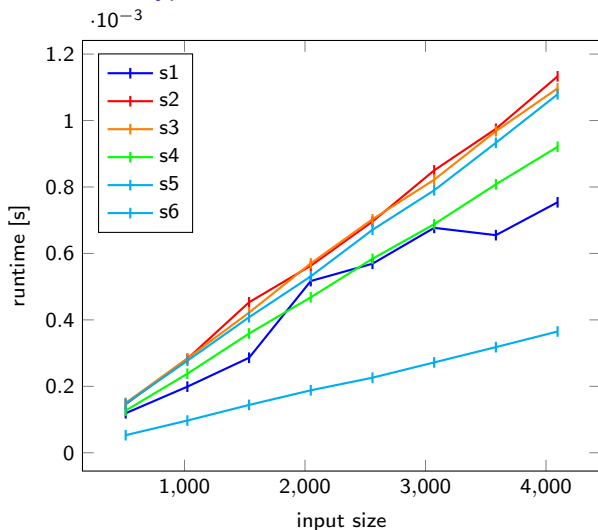
- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d 8
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

# MP-Slice Runtimes Datatype -d 64



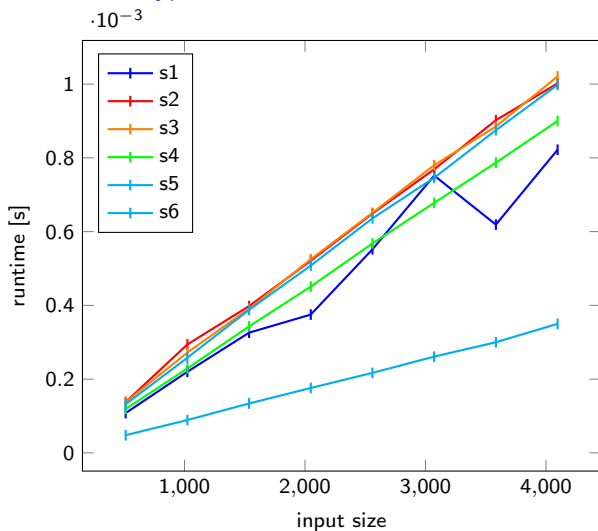
- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d 64
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

# MP-Slice Runtimes Datatype -d 128



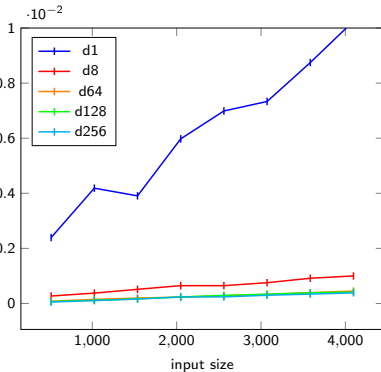
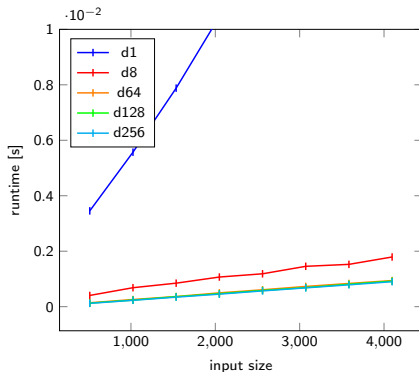
- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d 128
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

# MP-Slice Runtimes Datatype -d 256



- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d 256
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

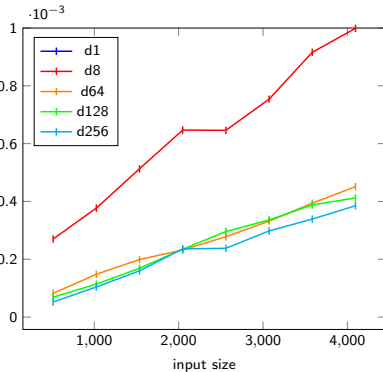
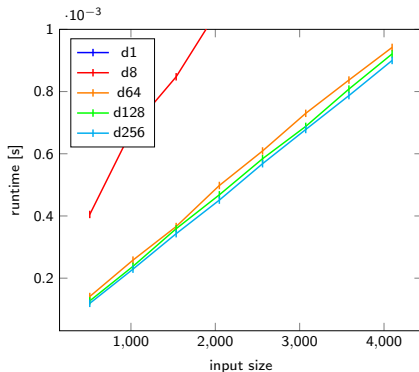
# MP-Slice Runtimes Protocol -s 4 Preprocessing off vs on



- Ref.Problem: Scalable Search
- Library: MP-Slice -s 4 -e 0 (Pre off)
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

- Ref.Problem: Scalable Search
- Library: MP-Slice -s 4 -e 1 (Pre on)
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

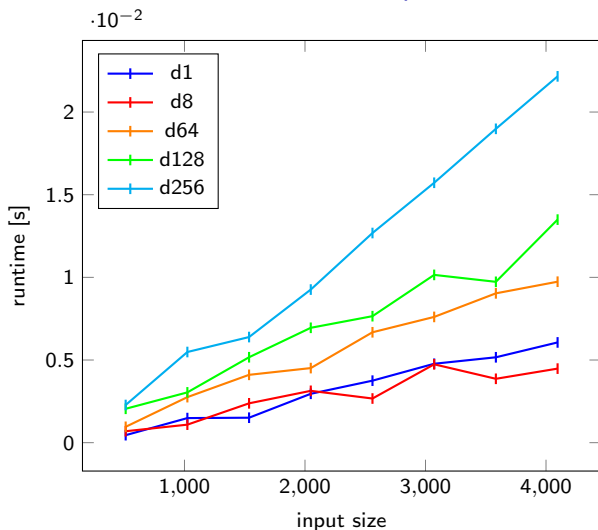
# MP-Slice Runtimes Protocol -s 4 Preprocessing off vs on - Zoomed



- Ref.Problem: Scalable Search
- Library: MP-Slice -s 4 -e 0 (Pre off)
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

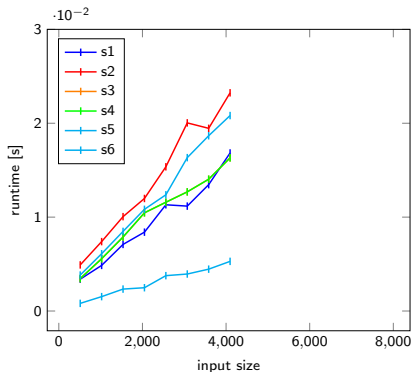
- Ref.Problem: Scalable Search
- Library: MP-Slice -s 4 -e 1 (Pre on)
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

# MP-Slice Runtimes Protocol -s 4 Time to Preprocess

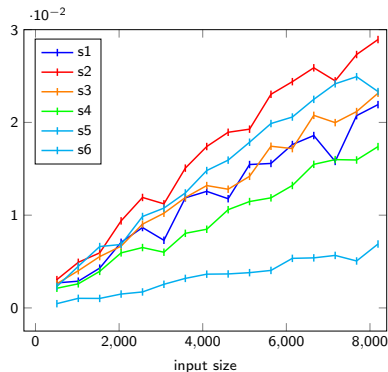


- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 4
- Metric: input size - time to preprocess
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

# MP-Slice Runtimes Packbool off vs on



- Ref.Problem: Scalable Search
- Library: MP-Slice -c 0 (Packbool off)
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits



- Ref.Problem: Scalable Search
- Library: MP-Slice -c 1 (Packbool on)
- Metric: input size - runtime
- Specs: D-1518(2.2GHz) 32GiB 1Gbits