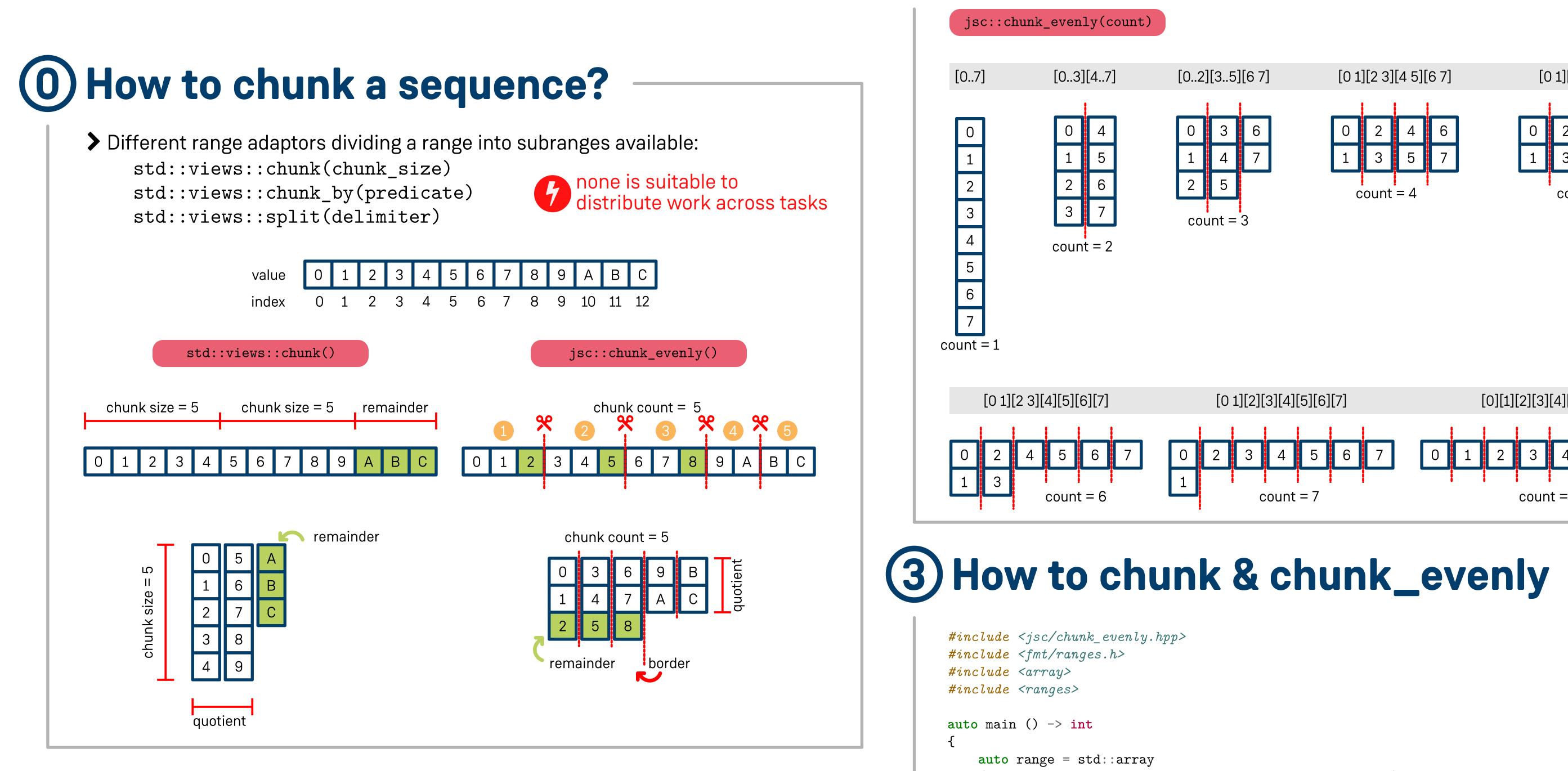


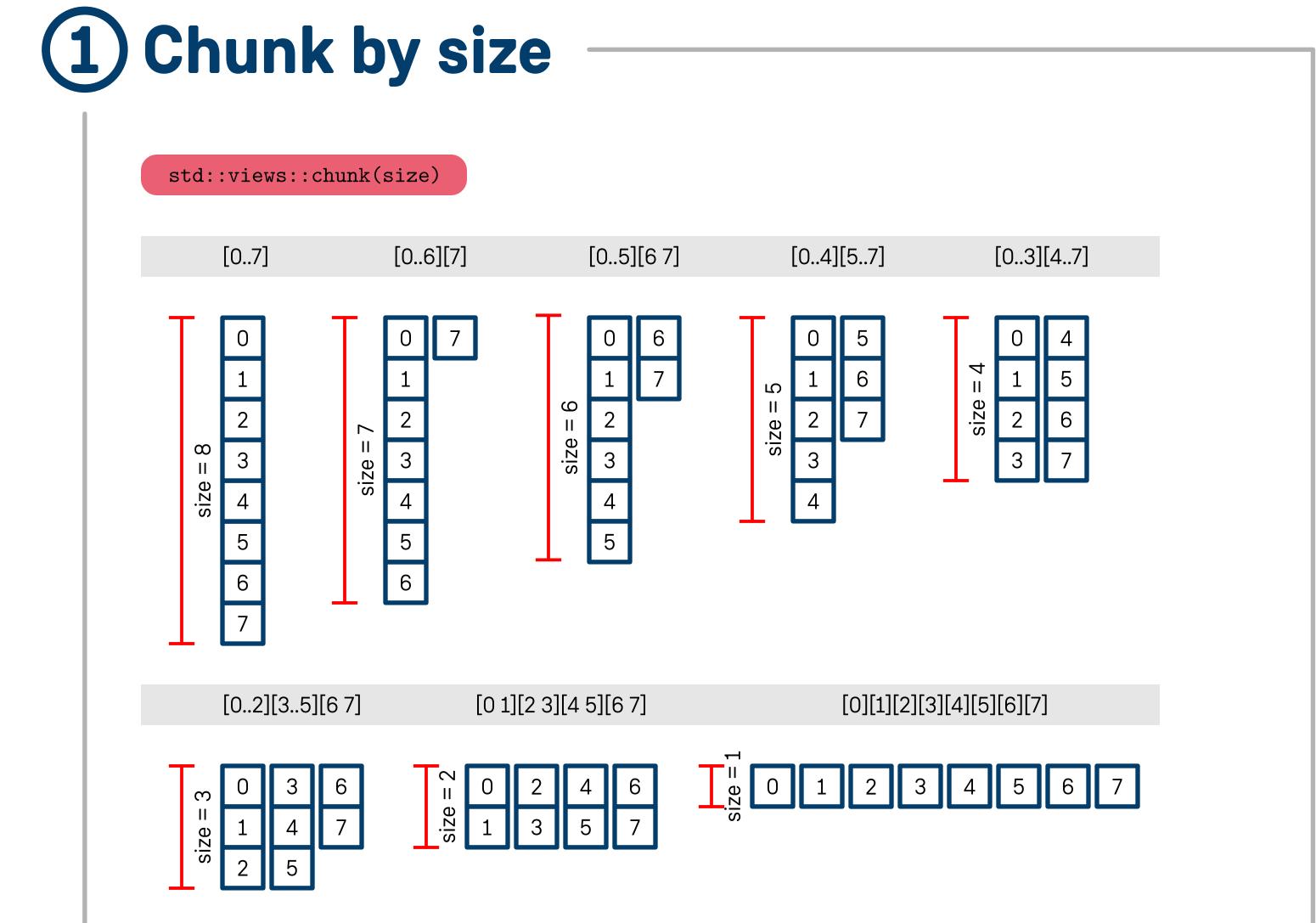
jsc::chunk_evenly — Range adaptor for distributing work across tasks

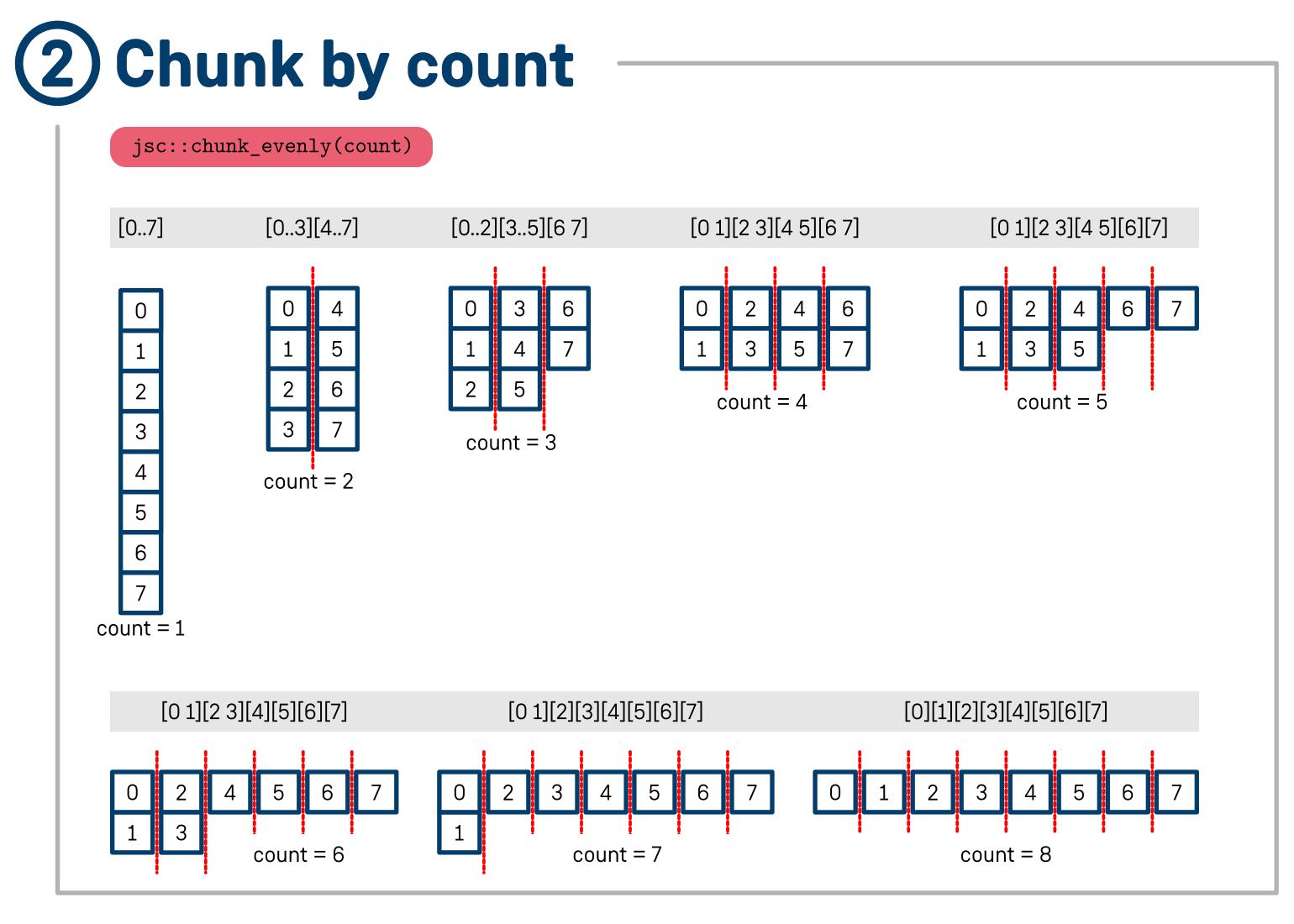


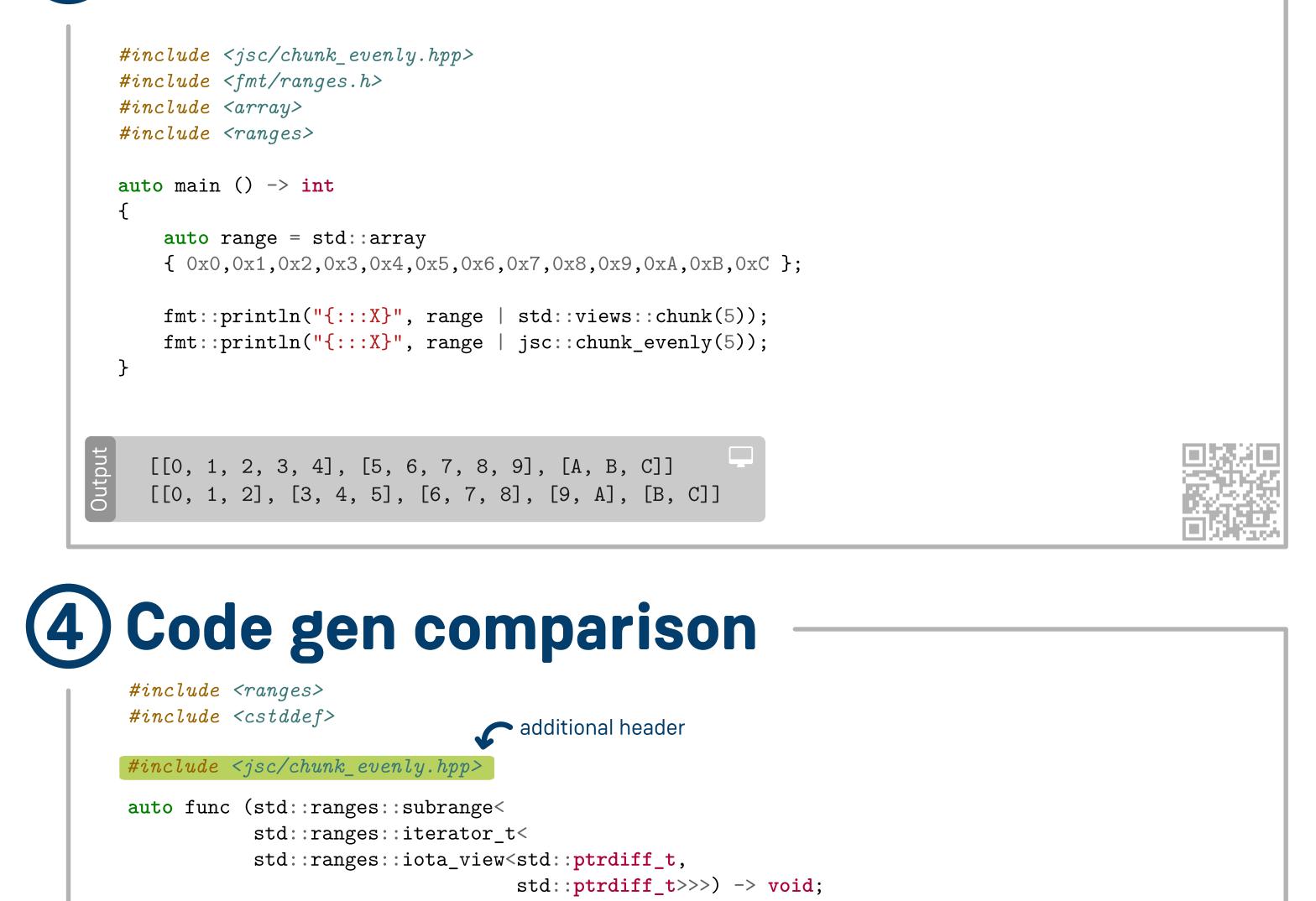
Mateusz Zych, Ivo Kabadshow

Jülich Supercomputing Centre, Research Centre Jülich, Germany









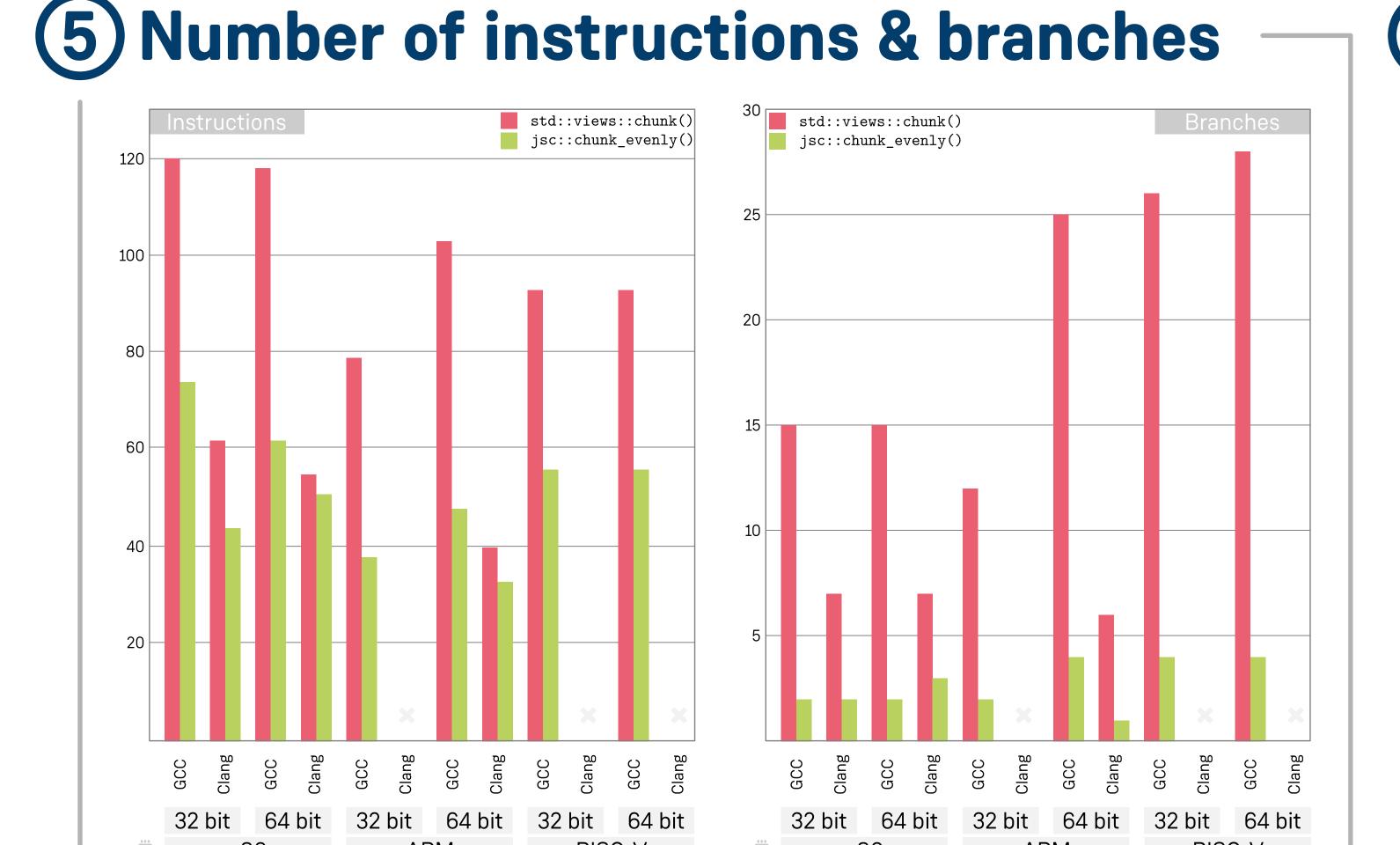
: std::views::iota(std::ptrdiff_t { 0 }, n)

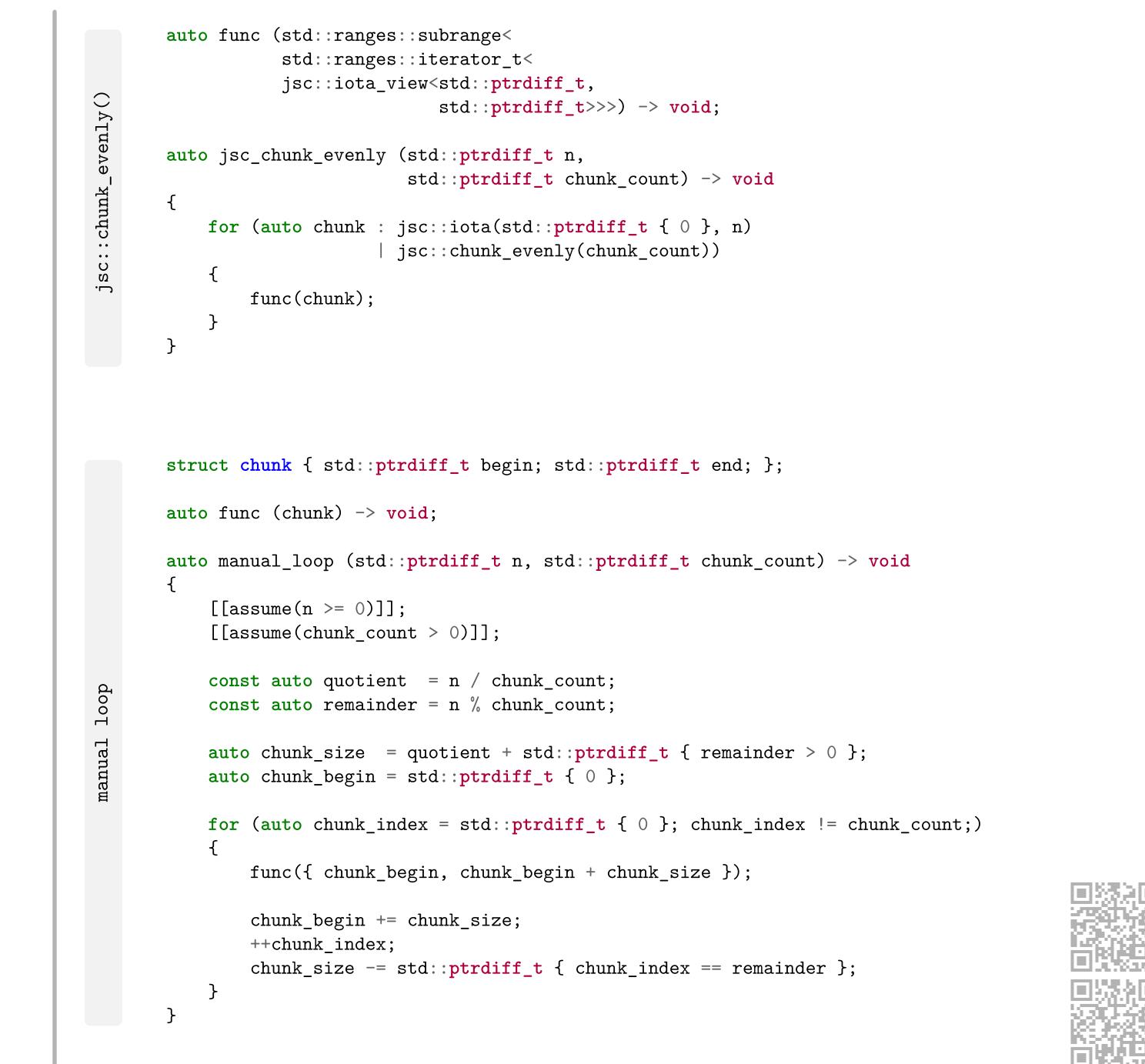
func(chunk)

std::views::chunk(chunk_size) jsc::chunk_evenly(chunk_count))

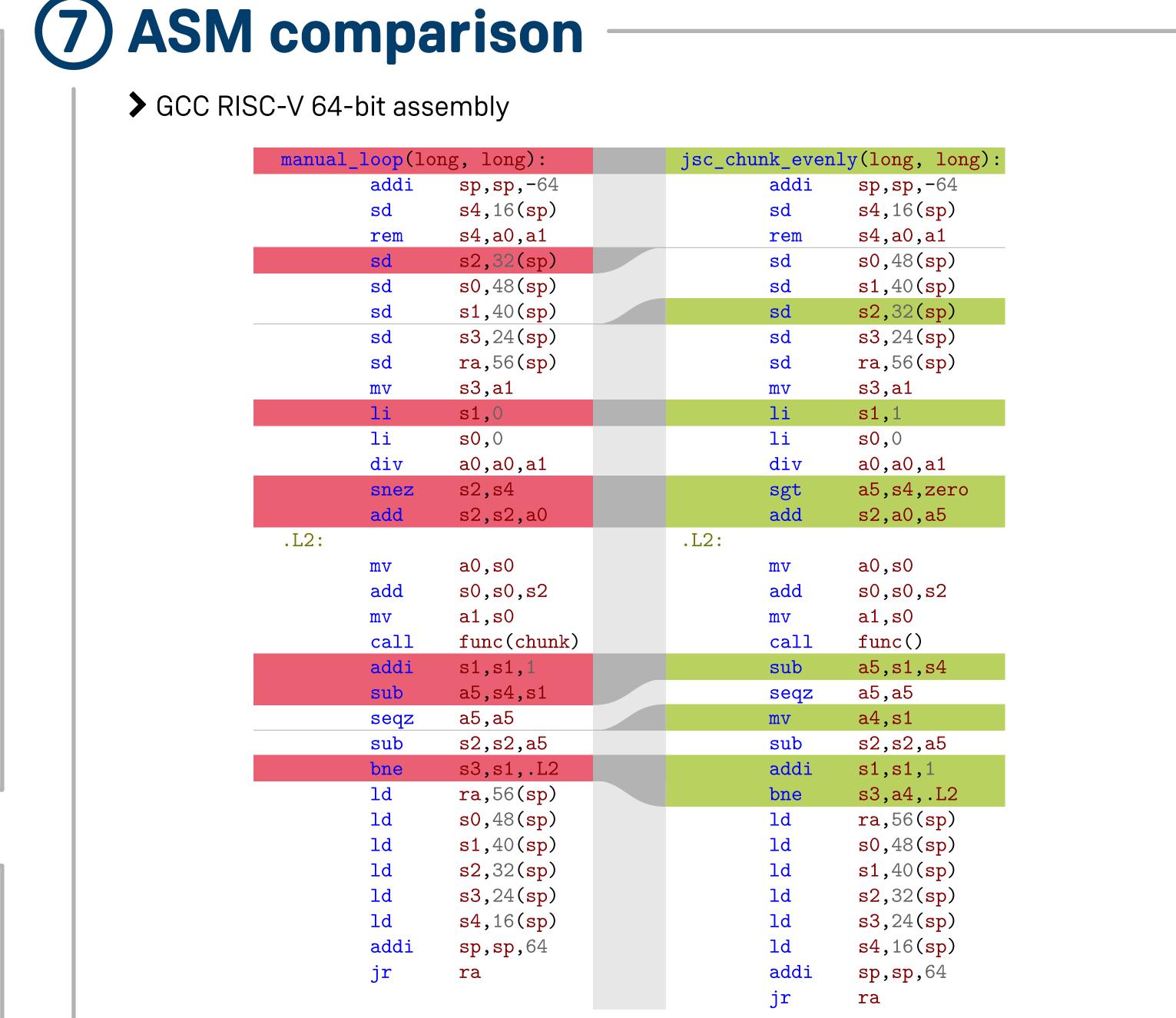
change to count

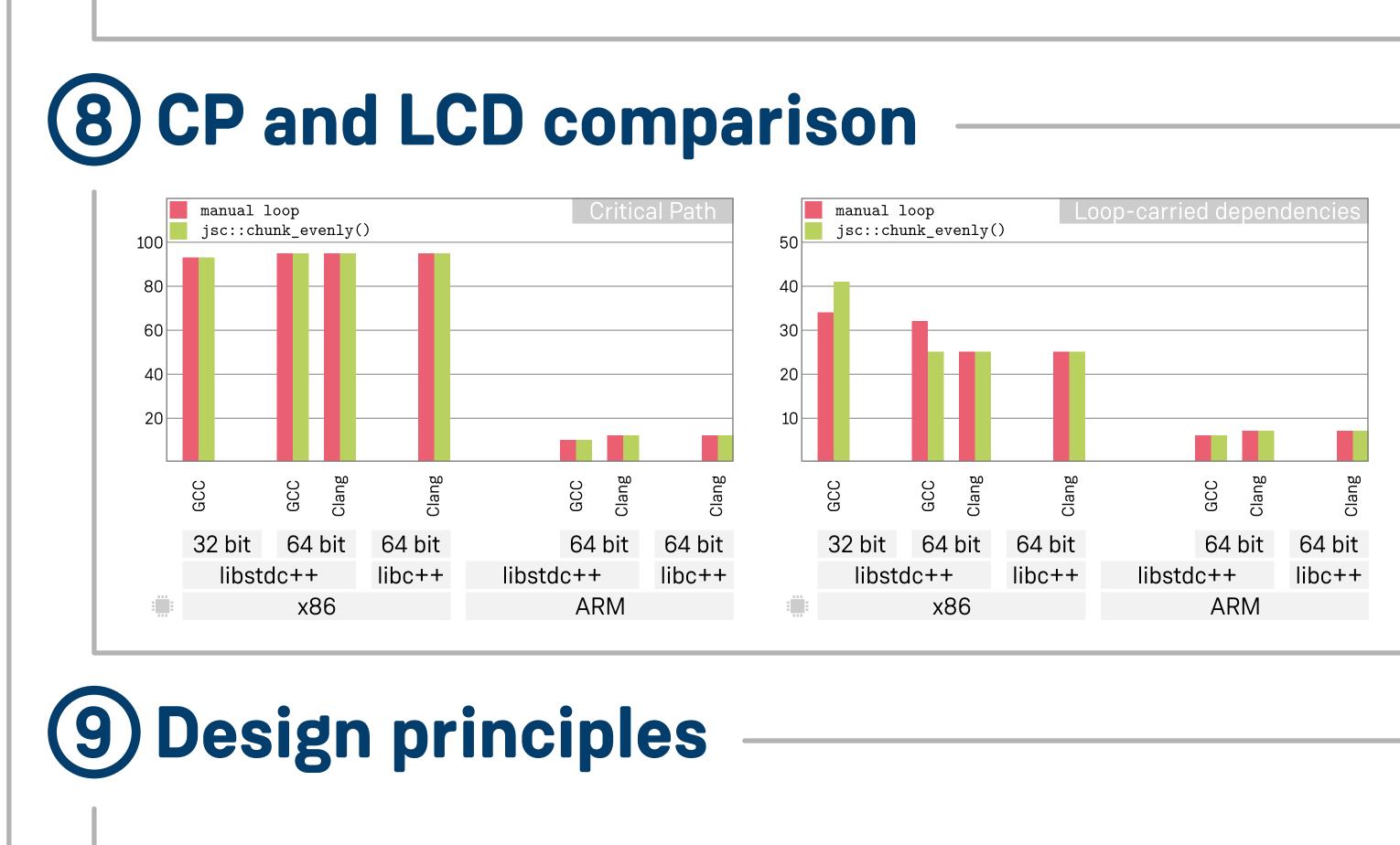
Cchange range adaptor





(6) Following zero-overhead principle





> Idea inspired by std.range.evenChunks() from the D language

> Expensive computations (div, mod) are computed once per iterator

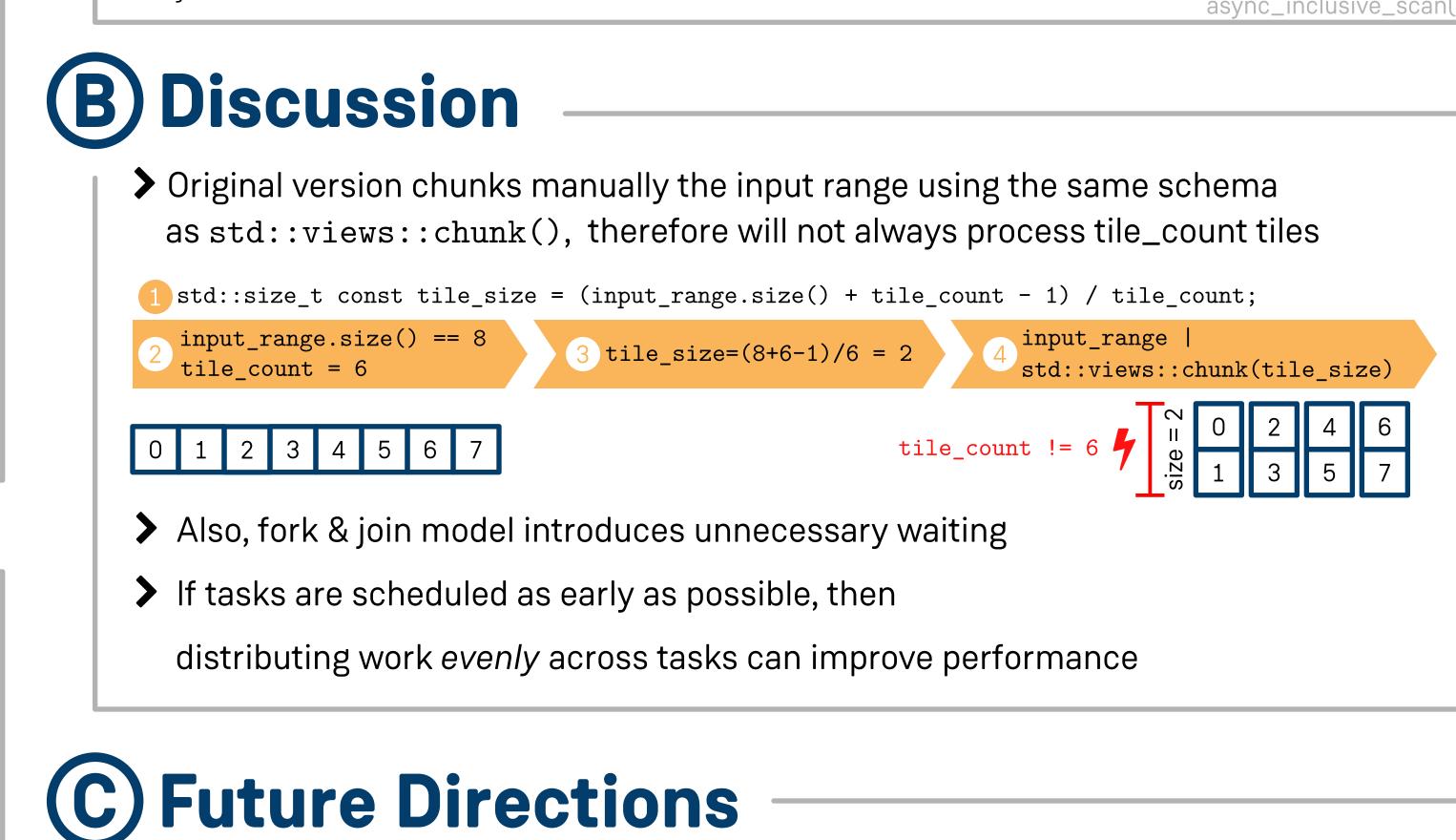
std.range.evenChunks(

Branch-less programming for crossing border between

smaller and larger chunks

Zero overhead





Support random access in jsc::chunk_evenly_view<>

Find more generic components in the JSC C++ library