

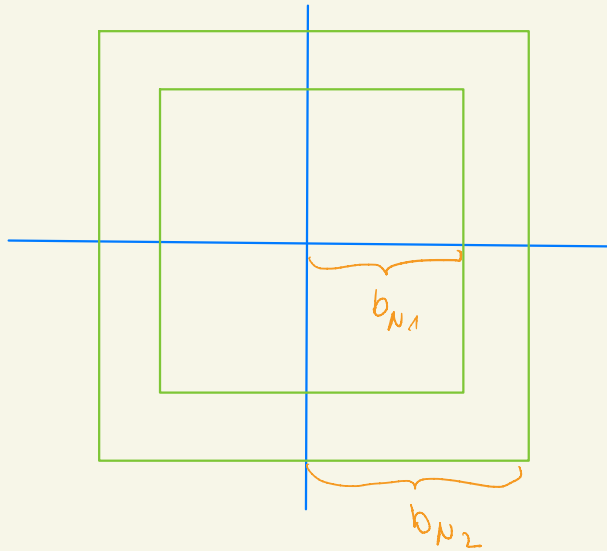
CAP + growth condition on function
gives convergence, even with rates

Open (?) problems:

- ① Can one construct, from a given LDS
one that has a given CAP ?
- ② Can one replace discrepancy with
a suitable weighted notion ?
- ③ Can one do much better ?

Cf. paper by Dick, Hrgel, L., Pillichshammer 2017
where we consider integration on the \mathbb{R}^d

B. Klöngler PhD-Thesis



By transformation the integration problem on \mathbb{R}^d corresponds to one on $(0,1)^d$.

What does the paper DILP tell us about integration of unbounded integrands on $(0,1)^d$?

Can we introduce weights (did so far not work on \mathbb{R}^d)?