Scalable (optimal) preconditioners

- $\mu(B^{-1}A) \approx 1$, being independent of n (algorithmic scalability)
- the action of B^{-1} costs as little as possible, the best being $\mathcal{O}(n)$ flops (linear complexity)
- in a massively parallel computer, B^{-1} should be composed of easily applied local actions, (implementation scalability, i.e., parallel execution time increases linearly with n)