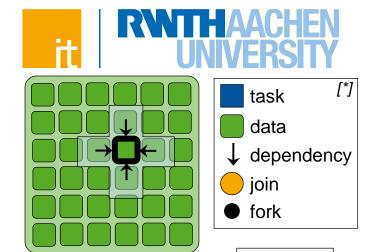
## **Stencil**

- Access of neighboring input elements with fixed offsets
- Ability for data reuse & cache optimization
  OpenACC

- tile: strip-mining
  - → 1st no. = block size of most inner loop
- cache: data caching
  - → Just hint, compiler can ignore
  - → (Performance-wise) needed especially for software-managed mem (GPUs)



- Tiling must be expressed explicitly
  - → More development effort than w/ tiling
  - → Performance expected similar to tiling
- No caching hints possible
  - → Maybe performance loss on GPUs