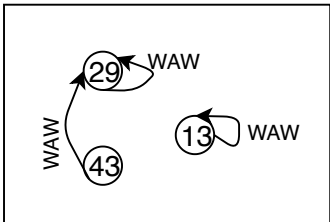


Oracle PDG

(only **cross-iter** deps related to *pathcost*, *dist* depicted)



Real cross-iter dependences inhibit parallelization

Required *property* for parallelization:
the underlying memory objects of these accesses should be *privatizable*

Privatizability criteria for a memory object:

- i) identification of all accesses of this object within the loop
- ii) absence of cross-iteration flow dependences on each of these accesses