

Before (D)



After (D')



'Partition' update



Full recompilation

Olmix
Base $(D_1, D_2, D_3, D'_4, D'_5)$

Higher cost



Higher performance

Partial mixture reuse

$\mathcal{D}_{\text{fix}} = D_1, D_3$

Olmix
Base $(\mathcal{D}_{\text{fix}}, D_2, D'_4, D'_5)$

Potentially lower performance

Full mixture reuse

$\mathcal{D}_{\text{fix}} = D_1, D_2, D_3$

Olmix
Base $(\mathcal{D}_{\text{fix}}, D'_4, D'_5)$

Lower cost