







What\_if analysis results

time: 30 ms Dapper Q1 mem: 989 kB time: 748 ms Dapper Q2 mem: 1,169 kB time: 182 ms Dapper Q3 mem: 40,924 kB

time: 21 ms NHibernate Q1 mem: 819 kB time: 743 ms NHibernate Q2 mem: 979 kB

time: 2,474 ms NHibernate Q3 mem: 175,866 kB



## **User Constraints** $F = \{ EF Core, Dapper, NHibernate \}$ $W = \{Q1, Q2, Q3\}$ $z_{Q1} = 1$ $z_{Q2}$ = 1 $z_{Q3}$ = 1 MEM = 153,600 kB (15 MB)N = 1

## **ILP Solver**

Runtime (ms)	Dapper	EFCore	NHibernate
Q1	30	21	21
Q2	748	745	743
Q3	182	557	2,474
SUM	960	1,323	3,238

Memory (kB)	Dapper	EFCore	NHibernate
Q1	989	3,048	819
Q2	1,169	3,472	979
Q3	40,924	144,094	175,866
SUM	43,082	150,614	177,664

## Recommendation

runtime: 960 ms Dapper (C#) memory: 43,082 kB