Software Performance Engineering
Lecture 5: Vectorization

1.	Loop with unknown trip count	https://www.godbolt.org/z/MacxsGWsv
2.	Cannot prove independence	https://www.godbolt.org/z/8fYcPz3Wv
3.	Loop carried dependences	https://www.godbolt.org/z/z146WG3de
4.	Reductions	https://www.godbolt.org/z/4n8zEbbsT
5.	Control-flow	https://www.godbolt.org/z/jojKnEnv4
6.	Non-contiguous data	https://www.godbolt.org/z/PzYc9jqaf https://www.godbolt.org/z/ME15GTesM
7.	Cost model failures	https://godbolt.org/z/r5szGsaK4
8.	Vectorization of function calls	https://www.godbolt.org/z/5Mcq9Pors
9.	Different hardware versions	https://www.godbolt.org/z/Pvn1KM3rx

Intel Intrinsics Guide

See https://llvm.org/docs/Vectorizers.html for more info.