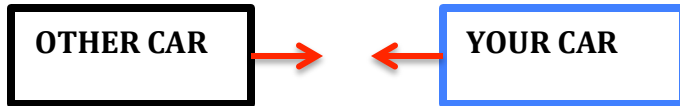In two collision scenarios below, both cars weigh 1000 kg, and is travelling at v = 20m/s (72 km/hr):

COLLISION 1

COLLISION 2

OTHER CAR → ← YOUR CAR

← YOUR CAR

In term of impulse-momentum theorem, which collision is worst for **your car**: **1) collision** with **other car**; **2) collision** with a **stationary wall**.