TSMC Process Technology Roadmap 2018 2022 2017 2019 2021 2020 Q2 Q3 Q1 Q4 Q3 Q2 Q2 Q3 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q2 Q1 Q3 Q4 Q4 Q4 10FF **10nm †Volume Production N7 †**Volume Production **TRisk Production** N7+ 7nm Volume Production Gen N7P **1**Volume Production N6 **TRisk Production N5 TRisk Production †Volume Production** 5nm N₅P Gen **TRisk Production N4 TRisk Production N3** 3nm Apple **A10X A11 A13** A16? **A12 A14** A15? series

N7P

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N7