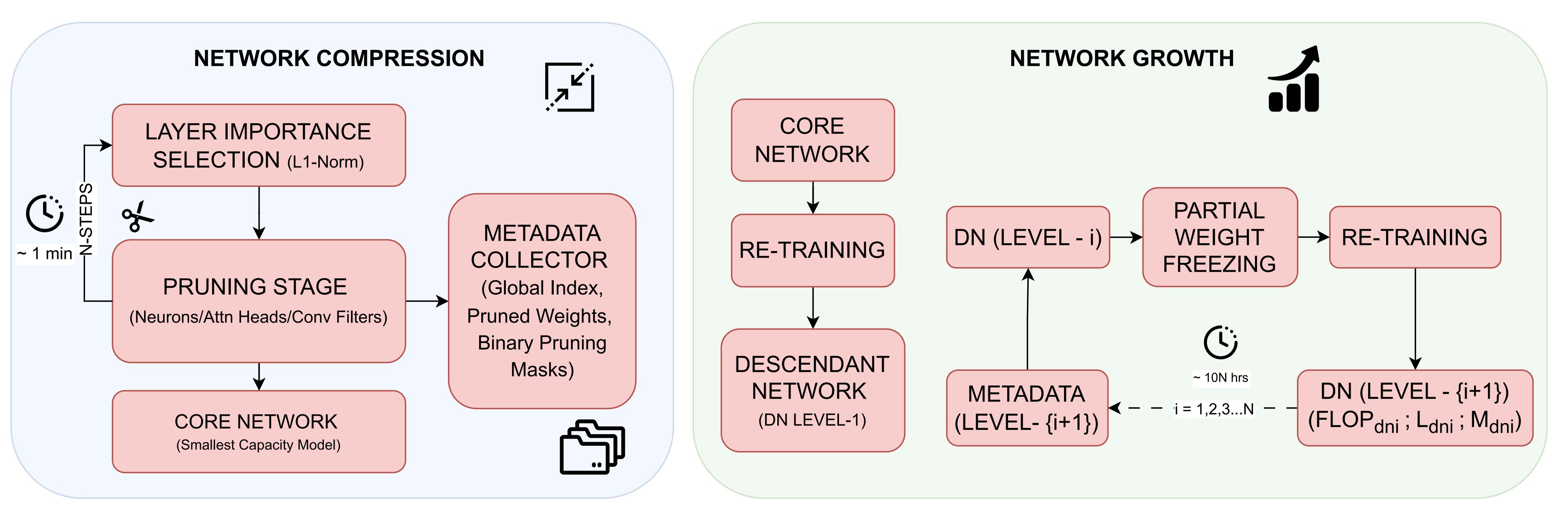
EDGE PLATFORM REQUIREMENTS (FLOP_{min}, # Operating Modes: N)



NETWORK SELECTION

EDGE AI SYSTEM ELASTIC NEURAL NETWORK

EDGE PLATFORM MONITORING + PROFILING

DEVICE VARIABLES Max Memory (M_d); Max Latency (L_d); Max FLOPs (FLOP_d); Min Acc (A_{min})



NETWORK SELECTION MODULE s.t ($L_{dn} < L_d$; $M_{dn} < M_d$; $FLOP_{dn} < FLOP_d; A_{dn} > A_{min}$