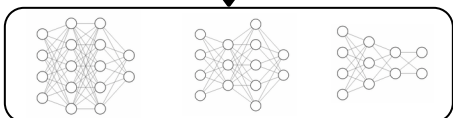


Design space



Randomly selected architectures



Deploy

Deploy



Latency benchmark

Accuracy and memory benchmark

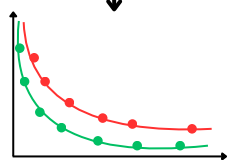
Profiling results

$$\begin{bmatrix} a_1 & l_1 & m_1 \\ a_2 & l_2 & m_2 \\ \vdots & \vdots & \vdots \\ a_n & l_n & m_n \end{bmatrix}$$

for i in triplets:

Get regressor set t

Training/inference



Add ADRS to the list

Select the triplet with the best ADRS score

Features

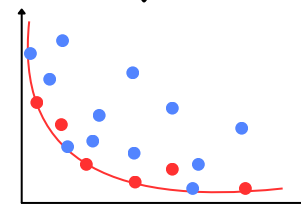
Memory predictor

Latency predictor

Accuracy predictor

Inference

Non-dominated sorting



a) Candidate selection and profiling

b) ADRS tuner and training regressors

c) RAPID NAS