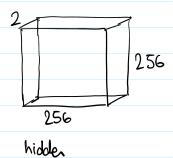
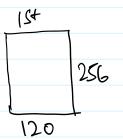
HWI

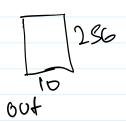
Stored at 8-bits



120->256



1st layer = 120.256 = 30720



= 99338

B. Total MAC's would be:
$$1^{54}$$
 layor + 1^{54} hidden layer + 2^{nol} hidden layer = $30720 + 65536 + 2560$
= 98816

C. Temporary SRAM reg:

Input: 120 + 156 = 376 1^{St} hidde: 156 + 256 = 512 1^{nd} hidde: 256 + 10 = 266

amount of bytes so the temp sram reg = 512

2

A. Input layer: 1280

2x Hidden layers: 512 Stoved at 32-bits

Output layer: 32

 1^{94} layer: 1280 x512 = 655,360

1st Hidden layer: 512 x 512 = 262,144

2nd Hidden layer: 512 x32 = 16384

Total param without Bias = 655360+262144+16384=933888

Bias = 512 + 512 + 32 = 1056

Total Parameters = 933888+ 1056

- 934,944

32 bit = 4 bytes

Total Storage = 934944 · 4

Time =
$$\frac{4}{90} \cdot 933888$$

Temp SRAM veg: C.

$$1^{st}$$
 hidde lane: $512 + 512 = 1024$

Input:
$$1280 + 512 = 1792$$
 1^{st} hidden layer: $512 + 512 = 1024$
 2^{nd} hidden layer: $512 + 32 = 544$