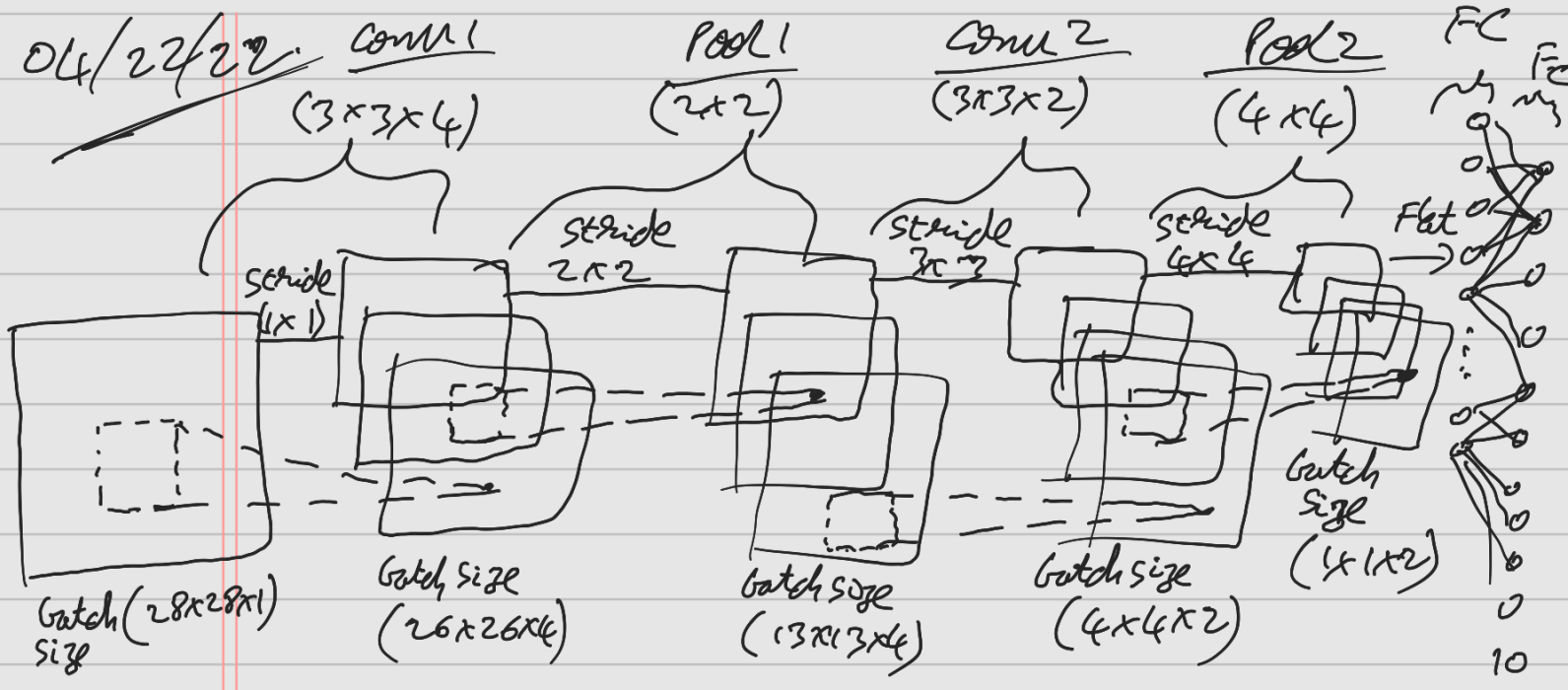
04/22/22



Conv1 $\Rightarrow \left(\frac{n-K}{S}+1\right)\left(\frac{n-K}{S}+1\right)$ (valid Padding.)

$\Rightarrow$ we know, $K=3, S=1, O=4$ for Conv1 then Batch Size for Conv1 is,

$$\frac{28-3}{1}+1 \times \frac{28-3}{1}+1$$

$$(26\times 26\times 4)\ //.$$

Pool1 $\Rightarrow \left(\frac{n-K}{S}+1\right)\left(\frac{n-K}{S}+1\right)$

$\Rightarrow$ we know, $K=2$ & $S=2$ for Pool1, then Batch Size for Pool1 is,

$$\frac{26-2}{2}+1 \times \frac{26-2}{2}+1$$

$$(13\times 13)\ //.$$

Conv2 $\Rightarrow \left(\frac{n-k}{s}+1\right)\left(\frac{n-k}{s}+1\right)$ (valid Padding)

$\Rightarrow$ we know, $k=3$, $s=3$, $o=2$ for Conv2, then

batch size for Conv2 is,

$$\frac{13-3}{3}+1 \times \frac{13-3}{3}+1$$

$$(4\times 4\times 2).$$

Pool2 $\Rightarrow \left(\frac{n-k}{s}+1\right)\left(\frac{n-k}{s}+1\right)$

$\Rightarrow$ we know, $k=4$ & $s=4$., then batch size for Pool2 is,

$$\left(\frac{4-4}{4}+1\right)\left(\frac{4-4}{4}+1\right)$$

$$(1\times 1).$$