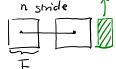
$$H \longrightarrow F \longrightarrow F \longrightarrow W' = ?$$

covered Assume we need n stride



$$W + 2P \ge F + nS$$

$$nS \le W + 2P - F$$

$$n \le \frac{W + 2P - F}{S}$$

pick the maximum $n = \lfloor \frac{W+2P-F}{S} \rfloor$

The nidth of the output layer W' is the number of stride $+1 = n+1 = \lfloor \frac{W+2P-F}{S} \rfloor +1$

similarly,
$$H' = \left\lfloor \frac{H + 2P - F}{S} \right\rfloor + 1$$

In practice we would choose P and F S, t, $\frac{W+2P-F}{S} \in \mathbb{Z}^+$